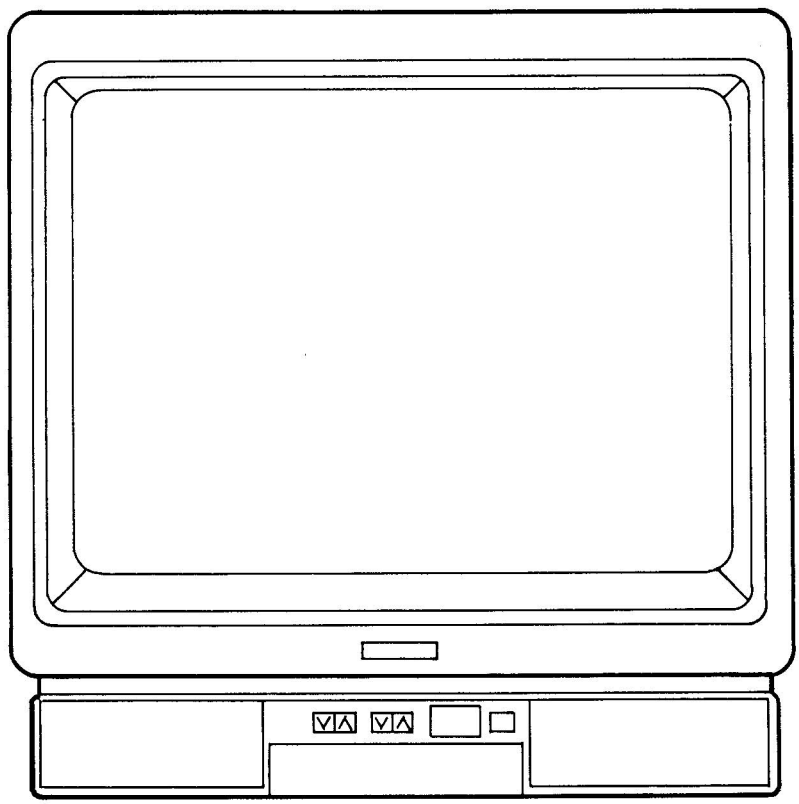
Roadstar

Service Manual

CTV-570ES/EK

20'' Colour Television



CTV-570ES : DOCUMENTATION VALID FROM PRODUCT SERIAL NO. A295100

CTV-570EK : DOCUMENTATION VALID FROM PRODUCT SERIAL NO. A356451

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ALIGNMENT INSTRUCTION
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NOTE : BOTH VERSION ARE IN NEW CIRCUITARY
CTV-570ES - PAL/BG SECAM/BG
CTV-570EK - PAL/BG SECAM/DK

I. Please read before attempting service.

1. For reason of safety, don't connect AC Power directly to the test chassis, except an Isolation Transformer is used for AC Power source of the TV chassis. While the TV chassis need AC Power to attempt alignment.

2. Never disconnect any leads & portion on the chassis during operations.

3. Disconnect all Power before attempting any repairs or changing any parts on chassis.

4. Never short any portion of the chassis circuit while power is on.

5. All parts replaced should be identical. (Details of original parts & parts number. see Parts List.)

II. Test Equipment

1. VIF & SIF sweep generator (O/P impedance 75 ohm, O/P level : 70-120 dBuv/with attenuator).

2. TV Pattern Generator : 1) Full field color bar
   2) Split field color bar
   3) Cross hatch
   4) Monochrome digital test pattern
   5) Philips pattern
   For reference #1-3 shibasuku 217A. Color bar generator.
   #4 shibasuku 588A/215
   #5 shibasuku 549A

3. DC regulated power supply 0 - 15V.

4. Digital volt meter (DC)

5. High tension volt meter (30KV)

6. Hand care demagnetizer

7. Audio Generator

8. AC Power isolation transformer

9. RF step attenuator (0-60dBuv)

10. Ceramic aligner screwdriver

11. Oscilloscope 40MHz, Dual channel

12. Audio Oscilloscope

13. RMS AC volt meter

14. Alignment oscilloscope (with input Sensitivity calibration)

III. VIF Alignment

A. Preparation

1. Set up the VIF sweep generator & alignment scope RF O/P signal level at 70-80dBuv).

2. Calibrate the vertical input sensitivity of alignment scope to 100mv/deviation.

3. Connects VIF sweep signal to the tuner test point & ground. (See figure 1A)

4. Supply DC +15V to chassis D607 N lead & negative to chassis GND.

5. Supply AGC bias to TP301 (see figure 2).

6. Connects VIF detect O/P signal from TP202 & TP103 (Ground)

B. Alignment procedure

1. Adjust the AGC bias to achieve 1Vp-p wave form display on alignment scope (100mv/Div.)

2. Adjust T302 to made the marker point "P" of VIF waveform to the maximum amplitude as fig.3 (Relative markers frequency see table 1.)

3. Connect resistor 100 ohm parallel to R309.

4. Adjust T103 to obtain the waveform as in Fig. 4

5. Remove the external 100 ohm resistor between R309.

IV. AFC Alignment

A. Preparation

1. Set up the VIF sweep generator & alignment scope RF O/P signal level at 70-80dBuv).

2. Calibrate the vertical input sensitivity of alignment scope to 1V/deviation.

3. Connects VIF sweep signal to the tuner test point & ground.

4. Supply DC +15V to chassis D607"N"lead & negative to chassis GND.

5. Supply AGC bias to TP301 (see figure 1).

6. Connect AFC O/P signal from TP303 (through R124) & TP103 (GND) to alignment scop.

Alignment Scop.

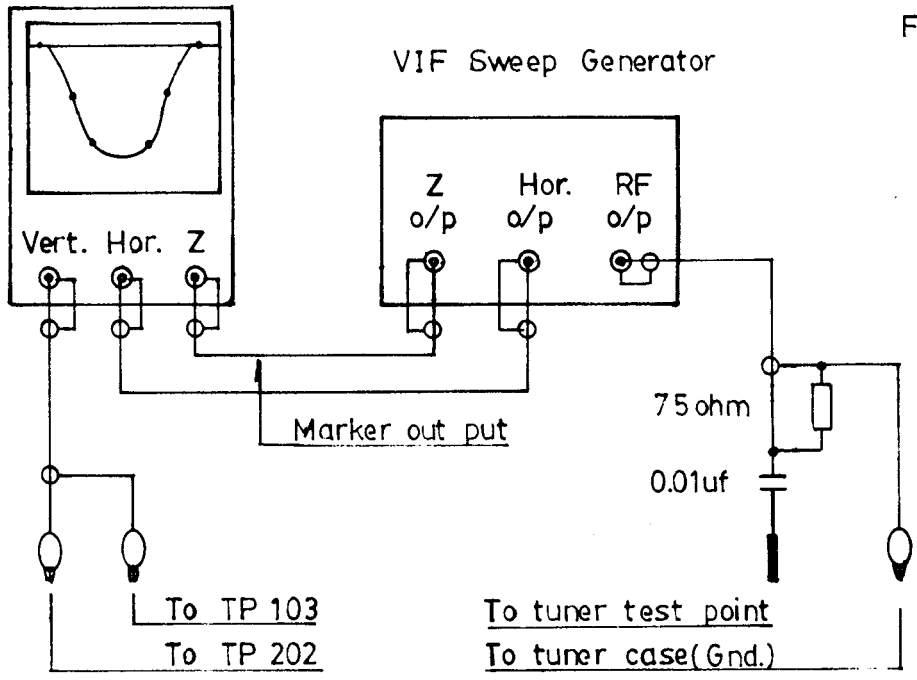


Fig.1

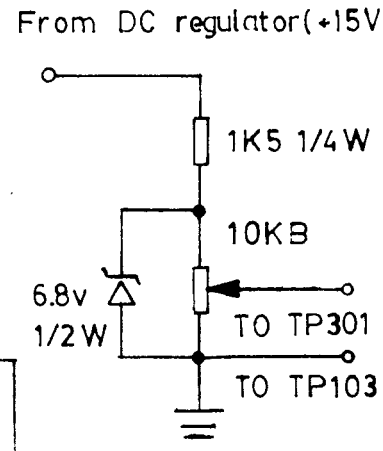


Fig. 2

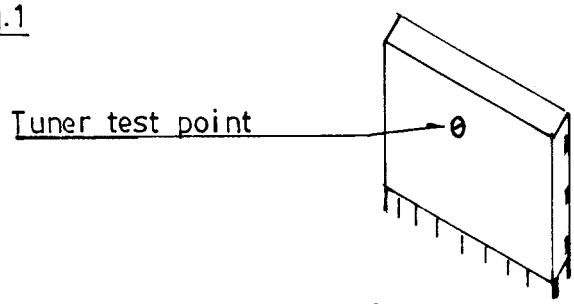
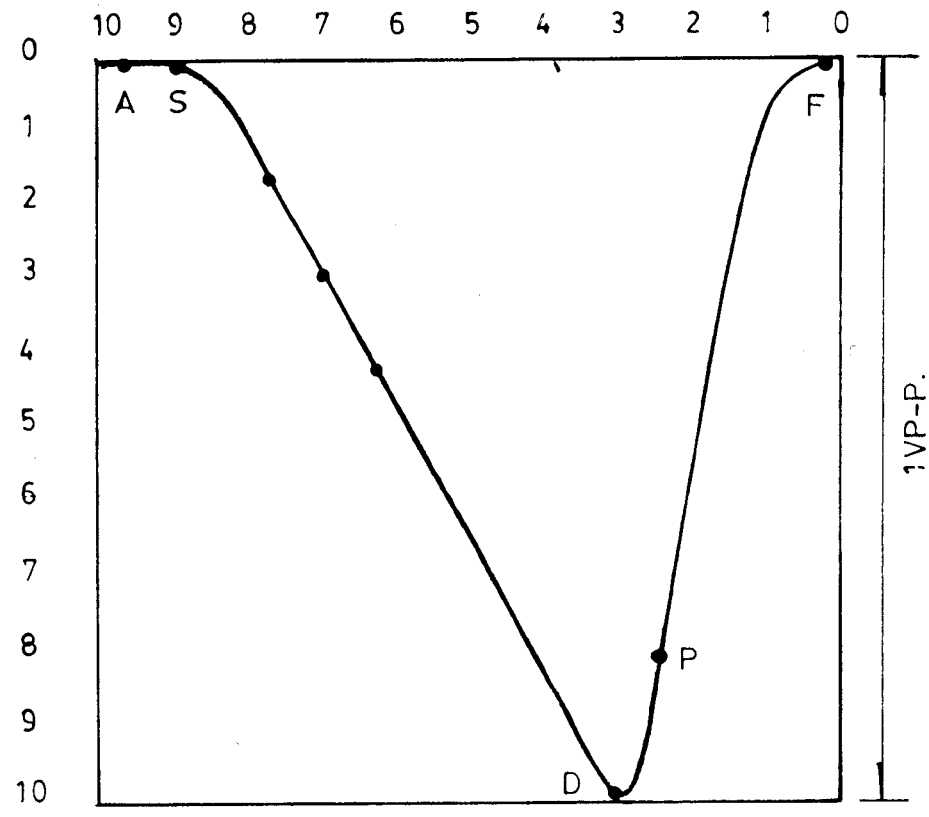


Fig.1A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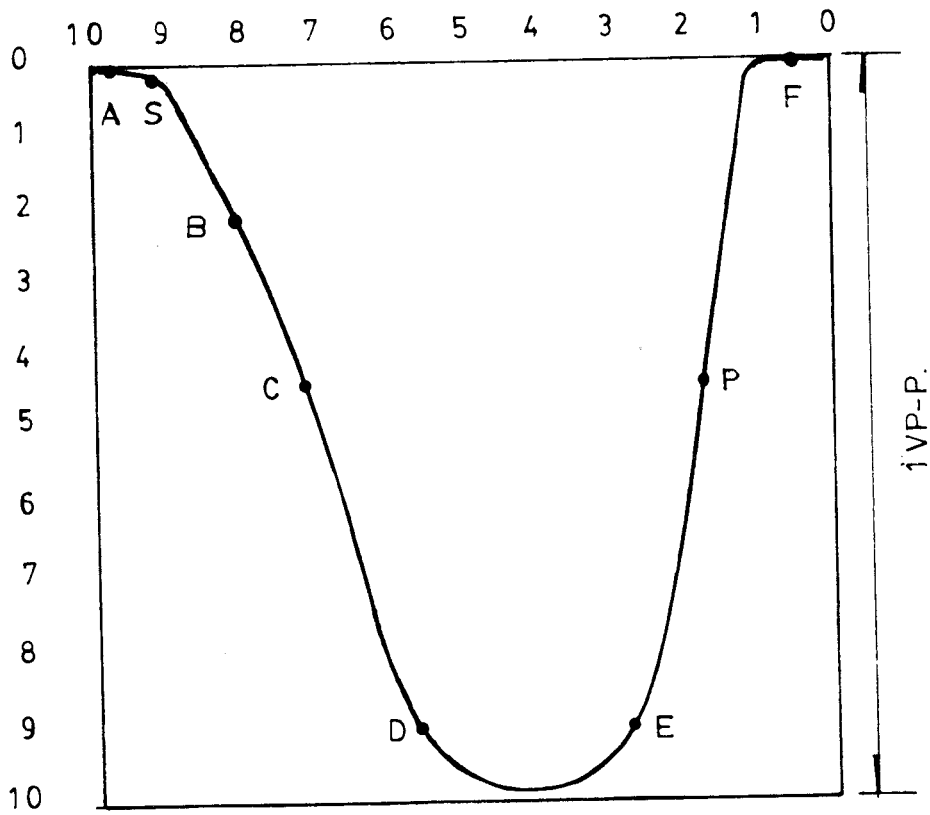
0 1 2 3 4 5 6 7 8 9 10
A S
F
P
D
1VP-P.

Fig. 3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0 1 2 3 4 5 6 7 8 9 10
A S
B
C
D
E
P
F
1VP-P.

Fig.4

1. Adjust the AGC bias to made the AFC wave form just starting clipped (10vp-p). (see figure 5)

2. Adjust T301 to make the marker "P" is centred (see Table 1).

V. SIF Alignment

A. Preparation

1. Supply DC +15V to "N" lead of D607.

2. Set the output level of SIF Sweep Generator at 90 dBuv.

3. Connect TP301 to GND.

4. Connect output lead of SIF Sweep Generator to TP202 & TP103(GND)

5. Connect SIF Det O/P to alignment scop from TP302 & TP103 (GND).

B. Alignment procedure

1. Adjust T303 to make the marker point Y(relative marker frequency see table 2) is centered as in(Fig 6).

VI. Focus Adjustment

1. Receive a crosshatch pattern Fig. 7A (or monochrome digital test pattern), (input level 80dBuv).

2. Set contrast level to (max.)
Set Brightness level to middle level.

3. Adjust focus potentiometer (on flyback transformer see fig. 7B) to obtain a sharpness & clearest picture on the center cross-line.

VII. RF AGC Alignment

1. Set a Digital Test Pattern (monochrome) at high end channel of VHF high.

2. Set the input pattern signal level within 60dB +-3dB.

3. Set the contrast level to the highest.

4. Set Brightness control & color control at the normal position.

5. Adjust RF AGC control VR(VR307) to a point where the picture "snow noise" just disappeared.

6. Reset the input pattern signal level to 100dB +-3dB.

7. Check the CRT Picture that should be looks stable & clear, even change channel No. up & down or reverse. If the pattern displays abnormal(such as picture performed, station shifted.) Repeat align-

system / marker	B / G	D / K	I
A	31.90MHz	30.00MHz	31.50MHz
S	33.40MHz	31.50MHz	33.50MHz
B	33.97MHz	32.84MHz	34.57MHz
C	3447MHz	33.57MHz	35.07MHz
D	35.22MHz		35.50MHz
E	38.15MHz		38.60MHz
P	38.90MHz	38.00MHz	39.50MHz
F	40.40MHz	40.20MHz	41.50MHz

TABLE 1.

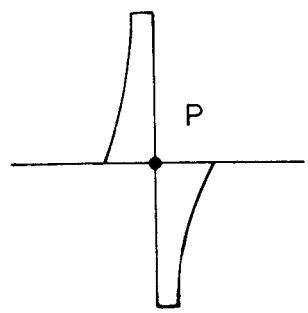


Fig.5

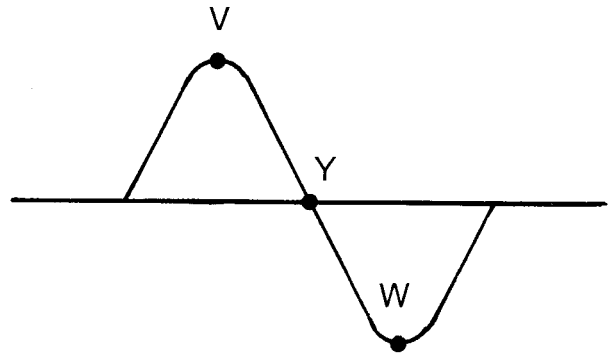


Fig 6

	B/G	D/K	I
V	5.35MHz	6.35MHz	5.85MHz
Y	5.50MHz	6.50MHz	6.00MHz
W	5.65MHz	6.65MHz	6.15MHz

TABLE 2

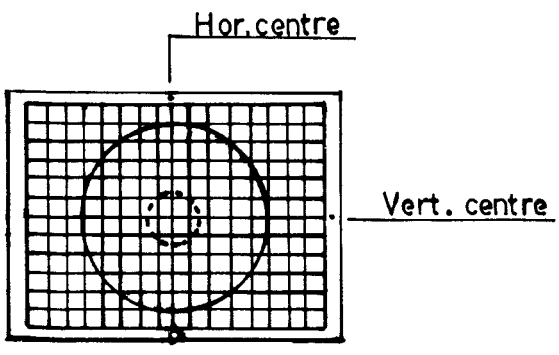


Fig.9A

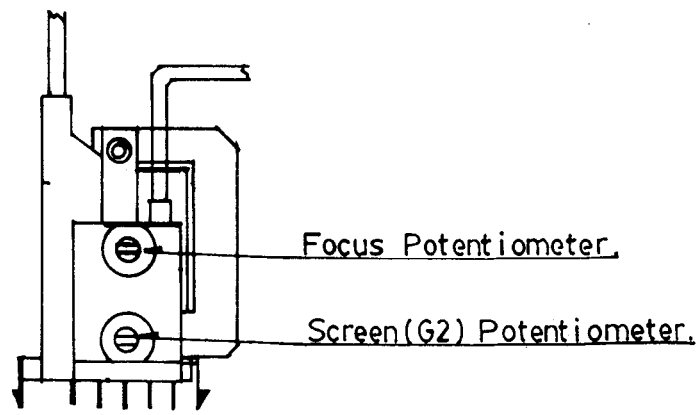


Fig.9B (Flyback Transformer.)

ment from step 2.

8. Receive another pattern signal at UHF CH. 35 the picture display on CRT should also keep normal. (Input signal level at 100dBuv).

9. Attenuate the input signal level to 60dBuv, the picture effect displays on CRT should same as step 5,w/o any picture "snow noise", otherwise repeat alignment from step 1.

VIII. White Balance alignment

1. Receive a monochrome bar pattern (or monochrome digital pattern) Set signal input level to 80dBuv.

2. Preset the followings:-
   Color control level to minimum
   Set Brightness & Contrast control level (on screen display level control pattern, until these is three bars left on screen.
   Set Sub-Brightness control (VR816) at centre position.
   Set screen control level to minimum (see fig. 7B)
   Set VR882, VR894 at centre position.
   Set VR879, VR892 at the lowest position (anti-clockwise)
   Set VR816 at the centre position.
   Set service switch (S402) to on position.

3. Adjust screen control potentiometer (G2) to clockwise until a line just illuminates.

4. Adjust VR875 to the illuminates line just became red in color
   (static white balance control : VR879, VR892 VR875)
   (Dynamic white balance control :VR882, VR894)

5. Adjust VR879 to make the illuminates line became yellow.

6. Adjust VR892 to make the illuminates line became white.

7. Reset service switch (S402) to Off position.

8. Check the displays picture whether it is in proper black & white background (no coloration) otherwise re-align from step 2.

9. Set the Brightness & Contrast control level to maximum.

10. Check the displays picture whether it is in proper black & white background otherwise adjust VR894 (Red) & VR882 (Green) to obtain a uniform white raster.

11. Recheck the picture white balance by adjust the brightness & contrast control level from high-lights to low-lights. If the picture displays in non-uniform white raster. Repeat alignment from beginning.

IX. Vertical height adjustment

1. Receive a monochrome Digital Test Pattern. (Input signal level at 80dBuv).

2. Adjust V Height control VR809 to obtain the circle Pattern (the big one) to be a uniform circle & the crosshatch should kept in scale of 4:3 no any "black edge" can be seen on the vertical & horizontal circumscription.

3. Check the horizontal line of the center cross-line it should meet the vertical centre mark (off center tolerance +-2mm)(see fig. 7A)

X. Horizontal centre adjustment

1. Keep the pattern reception as 7A.

2. Adjust VR616 to obtain the vertical line of center cross-line meet at the Horizontal centre mark. (see fig. 9) (tolerance +-2mm).

XI. Chrominance Band Pass Filter Alignment TA8659AN

1. Receive a color bar pattern signal (with 80dB input level).

2. Set color brightness & contrast control at middle level.

3. Connect the High frequency scope test probe (switch to X10 scale) from scop to TP802.

4. Adjust TP802 to obtain the wave form as figure 8 , to achieve the wave form to 800mVp-p.

XII. Color Demodulation & Delay Line Phase Alignment

1. Receive a Split Color Bar Pattern, signal (in luminance order 75% white) or a Philips Pattern TV Test Pattern Generator (Shibasuku 549A for system B.I.D.) or others same kind of products. (Adjust signal input level to 80dBuv).

2. Set color contrast level at maximum level
Brightness at middle level.

3. Connect a scope Test Probe (set to X10 scale) from scope to TP1201 (B-Y O/P), adjust VR849 to made separation lines mixing together (see fig. 9)

4. Adjust T801 to made the separation lines mixed together.

5. Re-check B-Y wave form, see whether it is same as figure 10 , otherwise repeat the alignment procedure from step 3.

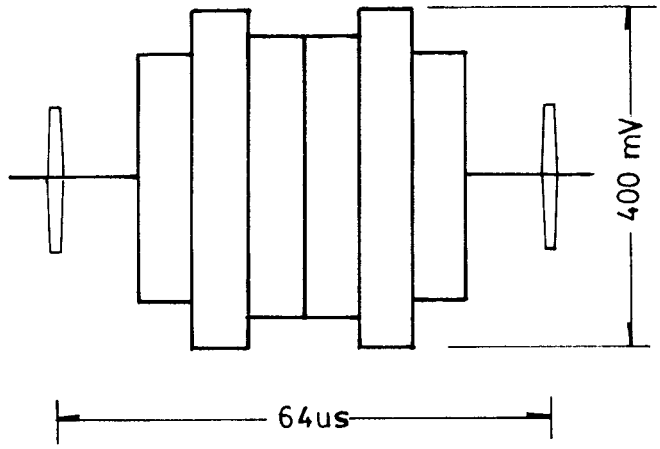
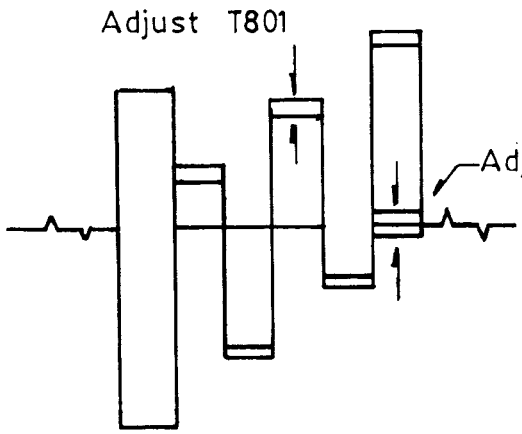
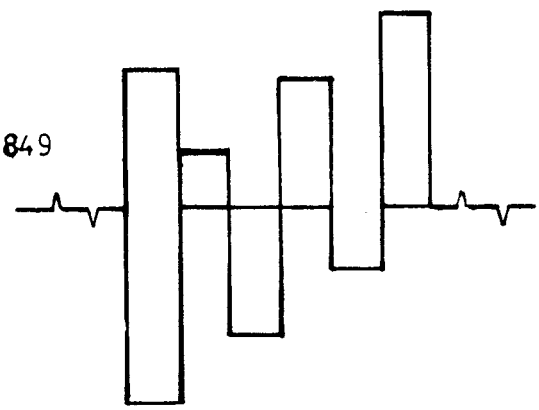


Fig. 8



(Non-Standard B-Y wave form of Split Colour Bar Pattern.)

Fig. 9



(Standard B-Y wave form of Split Color Bar Pattern.)

Fig 10

XIII. Chrominance Saturation Alignment.

1. Receive a color bar pattern signal at 80dBuv.

2. Adjust Sub-Brightness control (VR816) at middle position.

3. Adjust color control level at middle position
   Brightness ..."... maximum ..."....
   Contrast ..."... middle ..."....

4. Connects a high frequency coaxial test Probe (switch to X10) from TP801 to (B O/P) scop. (see fig. 11)

5. Adjust Sub-color control (VR853) to make the stair wave form achieving at same level (as fig. 12)

XIV. CRT Beam Current Alignment

1. Prepare a Digital DC volt meter & select to 2V range.

2. Connect Positive Pole lead of meter to TP601 & Negative Pole lead to TP602.

3. Set Sub-brightness control (VR816) at middle position.

4. Receive a color bar pattern signal (level adjust to 80dBuv)

5. Set color control ..... to maximum level
   brightness control ... to maximum level
   contrast control ..... to maximum level

6. Adjust Sub-brightness control VR816 to get a reading of 4.75V, the beam current value is equal to 950uA V/(R611//R612) Caution : Beam current value higher than the reading of 1100uA will cause picture tube X-ray radiation.

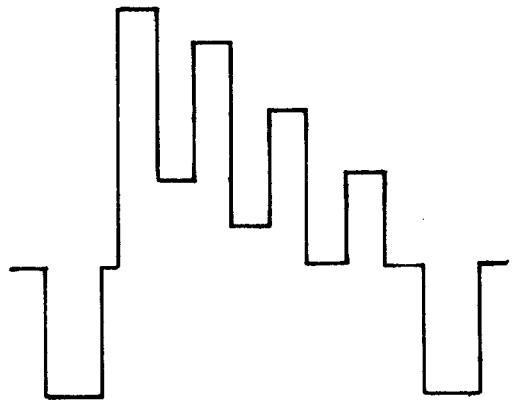


Fig.11

Just to meet at the same level(by adjust vr 853).

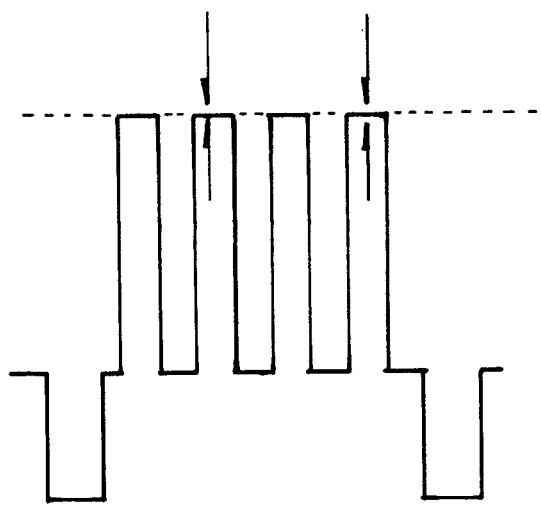
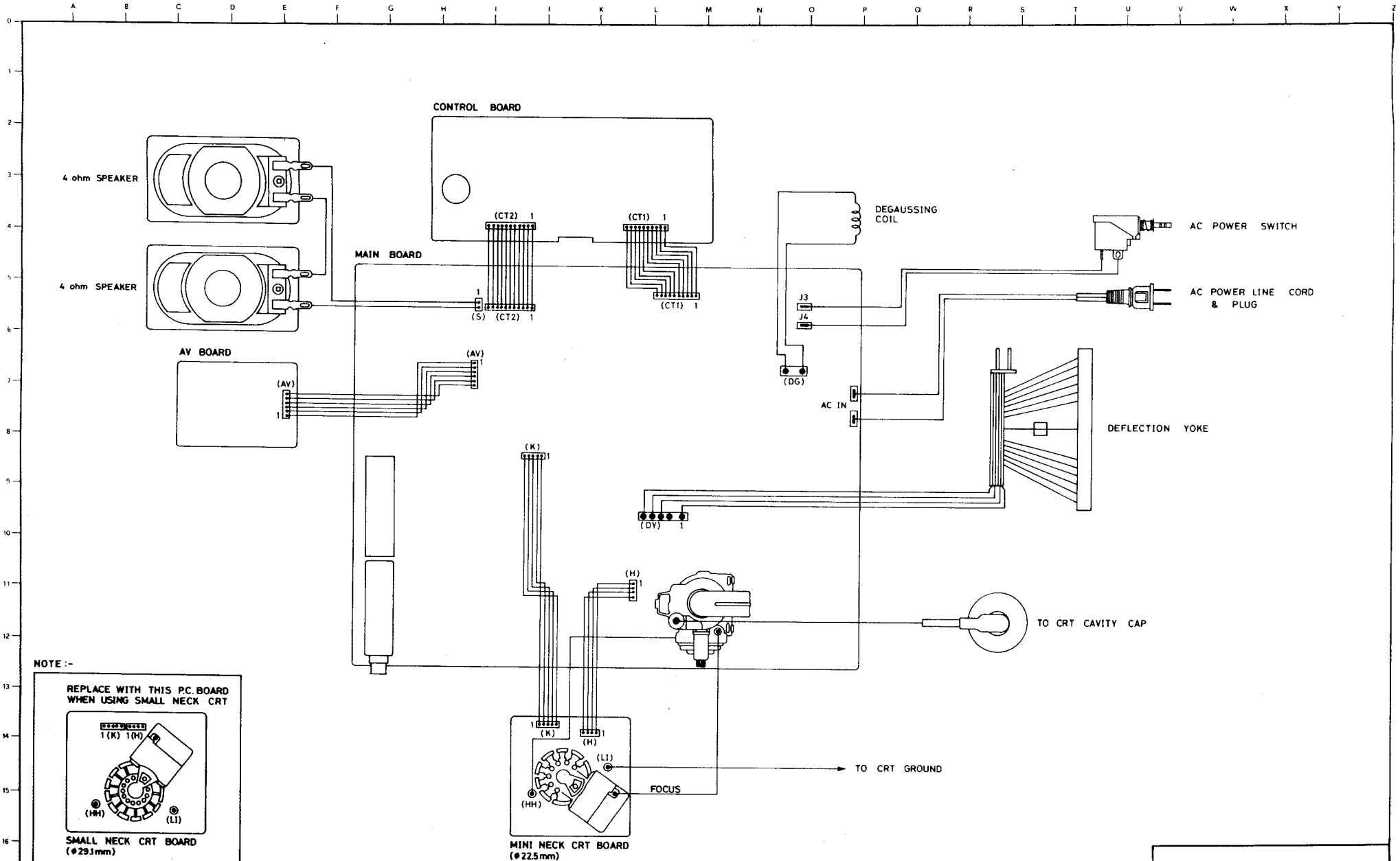


Fig.12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4 ohm SPEAKER
4 ohm SPEAKER
MAIN BOARD
(CT2) 1
(CT1) 1
(S) (CT2) 1
(CT1) 1
DEGAUSSING COIL
AC POWER SWITCH
AC POWER LINE CORD & PLUG
J3
J4
(DG)
AV BOARD
(AV)
(AV)
AC IN
DEFLECTION YOKE
(K)
(DY) 1
(H)
TO CRT CAVITY CAP
NOTE :-
REPLACE WITH THIS P.C. BOARD WHEN USING SMALL NECK CRT
1 (K) 1 (H)
(HH)
(LI)
SMALL NECK CRT BOARD
(ø29.1mm)
(K)
(H)
(LI)
(HH)
FOCUS
TO CRT GROUND
MINI NECK CRT BOARD
(ø22.5mm)
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VERSION
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MATERIAL
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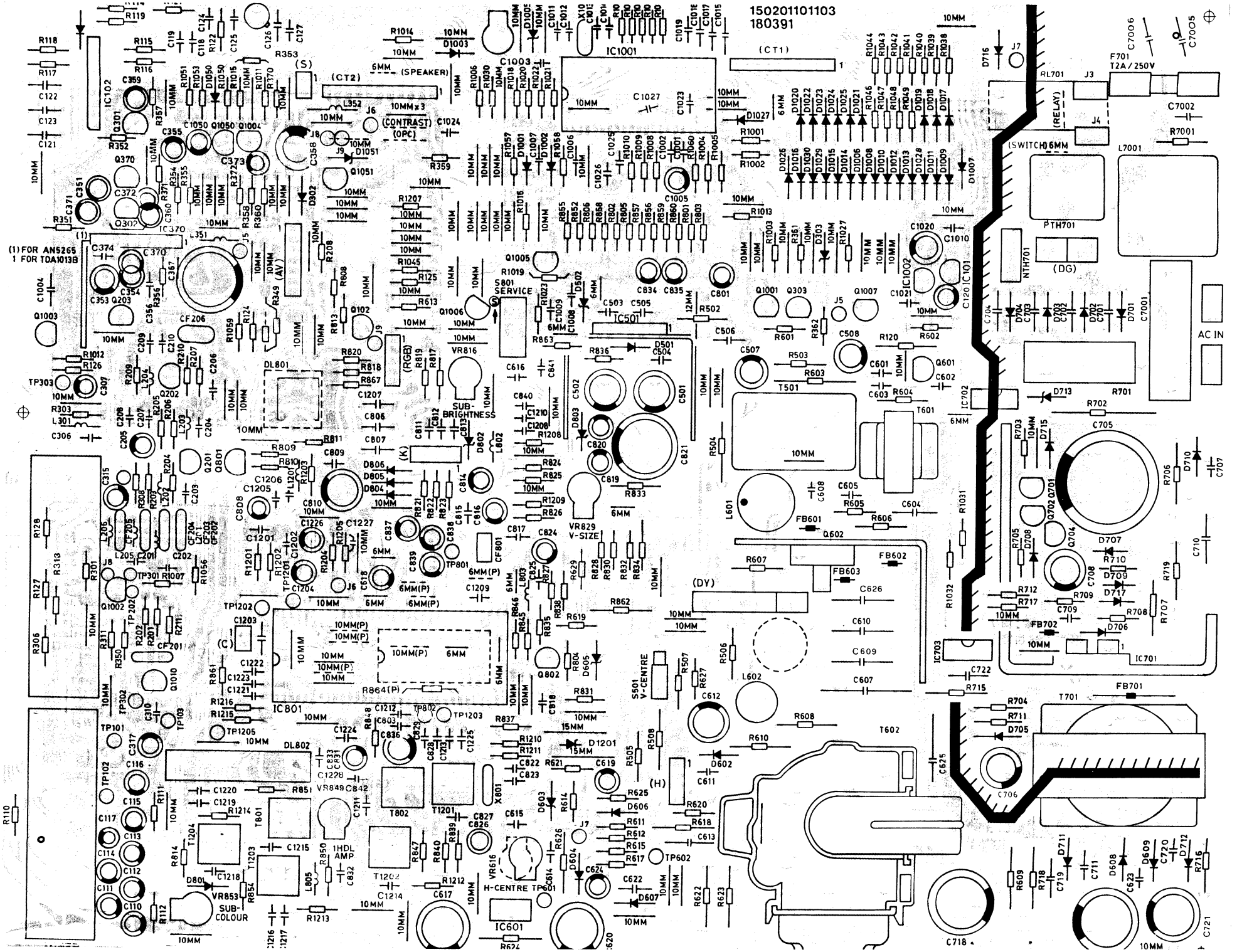
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SUB-COLOUR
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V-CENTRE
H-CENTRE
S801 SERVICE
F701 T2A/250V
RL701
PTH701
NTH701
AC IN
T501
T601
T602
T701
L601
L602
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DL801
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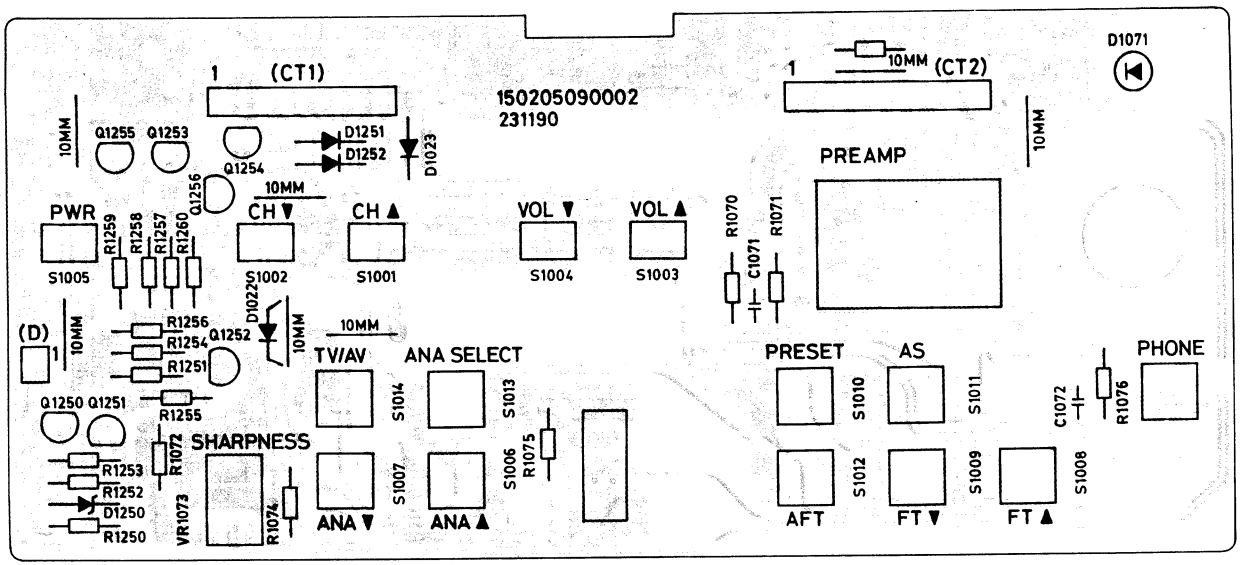
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AS
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SHARPNESS
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AFT
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D1251 D1252 D1023
Q1256
R1259 R1258 R1257 R1260
R1256 R1254 R1251 R1255
Q1252 D1022
Q1250 Q1251
R1253 R1252 D1250 R1250
R1072 VR1073 R1074
R1070 C1071 R1071
R1075
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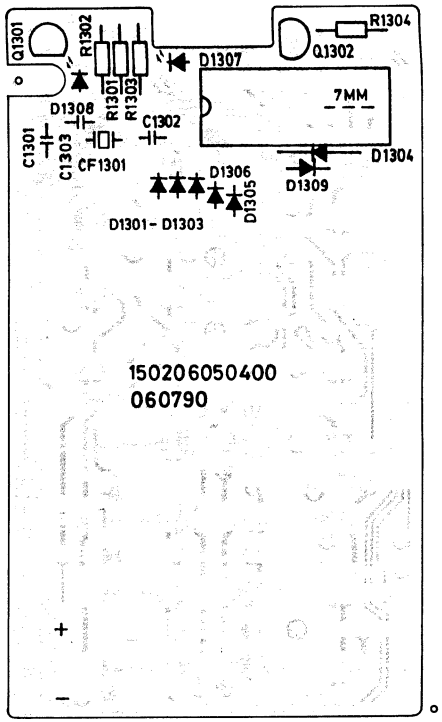
S1010 S1011 S1012 S1009 S1008
C1072 R1076
10MM
6MM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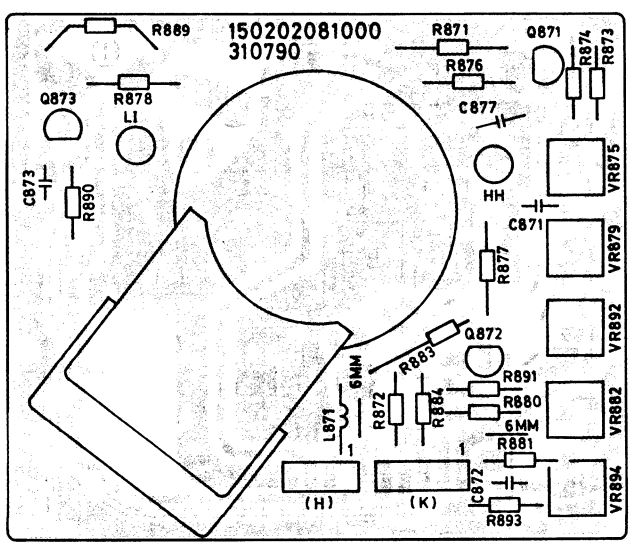
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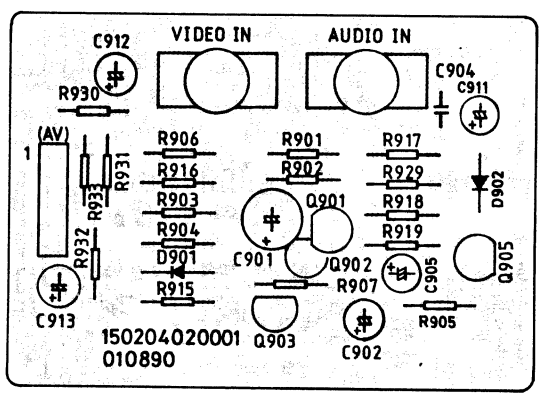
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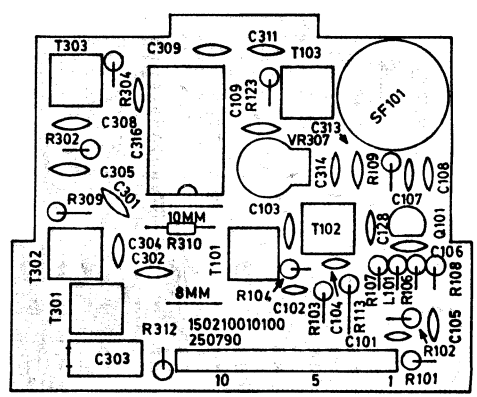
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T301
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150210010100
250790
C101
C105
C303
R102
10
5
1
R101

CTV-570 ES /EK EXPLODED VIEW MECHANICAL PARTS LIST

Item	Part No.	Description	Unit	Remark
1.	602-5138010-00	Back Cabinet (Black)	1	
2.	702-2640160-00	Screw TBS 4 x 16	6	For Back Cab. to Front Cab.
3.	670-5180000-00	Model No. Plate	1	
4.	702-2340120-00	Screw TBS 4 x 12 -B1	1	For Back Cab. to Tuner Bracket
5.	707-1660300-00	Screw THES 6 x 30(With Washer)	4	For 5382A Model only.
6.	718-0130200-00	Nut m3 T=2	2	For Heat Sink (6) – 1 pc. For Heat Sink (2) – 1 pc.
7.	716-2305920-00	Spring Lock Washer	2	For Heat Sink (6) – 1 pc. For Heat Sink (2) – 1 pc.
8.	736-4717060-00	Heat Sink (6)	1	
9.	701-2630120-00	Screw MBS 3 x 12	1	For Heat Sink (6)
10.	736-4717010-00	Heat Sink (1)	1	
11.	701-2630060-00	Screw MBS 3 x 6	3	For Heat Sink (1) – 1 pc. For Chassis to Power Switch(2)
12.	624-5138040-00	High V Cord Holder	1	
13.	702-2330080-00	Screw TBS 3 x 8 -B1	2	For FBT Bracket to Chassis.
14.	623-5138010-00	F.B.T. Bracket	1	
15.	702-2635120-00	Screw TBS 3.5 x 12	1	For FBT Bracket to FBT.
16.	749-5138010-00	IF Shield Box	1	
17.	669-5138010-00	PVC Plate	1	For IF Shield Box
18.	623-3738010-00	Tuner-Bracket	1	
19.	673-3738030-00	AV Plate (2)	1	
20.	702-2330080-00	Screw TBS 3 x 8 -B1	14	For Main PCB to Chassis (10) For AV PCB to Tuner Bracker(4)
21.	701-2630040-00	Screw MBS 3 x 4	2	For Heat Sink (3)
22.	736-4717030-00	Heat Sink (3)	1	
23.	632-4717010-00	Boss	4	
24.	903-3738010-00	Rubber Washer	4	
25.	701-2630100-00	Screw MBS 3 x 10	1	For Heat Sink
26.	702-2631020-00	Screw TBS 3 x 12	11	For Front Cabinet to Panel (8) For Channel PCB to Front Cab(2) For PCB Holder to Chassis (1)
27.	624-5138030-00	PCB holder	1	
28.	702-2330080-00	SCREW TBS 3 x 8 -B1	8	For Speaker to Front Cab. (8)
29.	603-5138010-00	Chassis	1	
30.	619-5138730-00	Power Knob	1	
31.	736-4717020-00	Heat Sink (2)	1	
32.	728-5138010-00	Knob Spring	4	
33.	624-5138010-00	Knob Holder	1	
34.	702-2330080-00	Screw TBS 3 x 8-B1	2	For Knob Holder to Front Cab(2)
35.	679-5138010-00	Decorative Overlay	1	
36.	601-5138010-00	Front Cabinet	1	For 20"CTV use only
	601-5338010-00	Front Cabinet	1	For 21"CTV use only

37.	606-5138010-00	Front Door	1	
38.	673-5138070-00	Function Plate (7/1)	1	
39.	503-5180010-00	Push Catch PR-4RK	1	
40.	722-5138010-00	Speaker Mesh	2	For 20"CTV use only
41.	608-1980010-00	Panel	1	For 20"CTV use only
42.	669-2082010-00	Channel/Volume Up/Down Plate	1	For 21"CTV use only
43.	604-5382010-00	Sensor Lens	1	For 21"CTV use only
44.	619-5382710-00	Push Knob	4	For 21"CTV use only
45.	608-5382010-00	Panel	1	For 21"CTV use only
46.	619-5138710-00	Push Knob	4	For 20"CTV use only
47.	604-5138020-00	Sensor Lens	1	For 20"CTV use only
48.	624-5138020-00	CRT Holder	4	For 20"CTV use only
49.	702-2660300-00	Screw TBS 6 x 30	4	For 20"CTV use only For CRT to Front Cabinet
50.	903-5382010-00	Rubber Ring (2)	4	For 21"CTV use only
51.	672-5138010-00	Brand Name Plate	1	

ELECTRICAL AND MECHANICAL PART LIST FOR CTV-570

ITEM	PART NO.	DESCRIPTION	QTY	LOCATION
1.	101-5008611-02	VIF/SIF IC TA8611	1	IC301
2.	101-5208659-02	CHROMA IC TA8659AN	1	IC801
3.	101-5601013-17	AUDIO OUTPUT IC TDA1013B	1	IC370
4.	101-5708403-02	VERTICAL DEFLECTION IC TA8430K	1	IC501 OR 101-5707830-06 LA7830
5.	101-6034300-05	CPU IC M34300M4-012SP	1	IC1001
6.	101-6307910-06	TUNER BAND SELECTOR IC LA7910	1	IC102
7.	101-6750560-05	REMOTE CONTROL TRANSMITTER IC M5056-001P	1	IC1301
8.	101-9158041-09	HYBRID SWITCHING REGULATOR IC STR58041	1	IC701
9.	101-9300574-01	VOLTAGE STABILIZER IC UPC574J	1	IC101
10.	102-1117805-02	REGULATOR IC UPC78L05J	1	IC1002 OR 102-1117805-03 MC78L05AC 102-1117805-01 LM78L05ACZ
11.	102-1117812-07	REGULATOR IC NUM78L12A	1	IC601
12.	103-1002000-12	NPN TRANSISTOR BSX20	1	Q103
13.	103-1190600-04	NPN TRANSISTOR 2SC1906	1	Q101
14.	103-2181527-02	TRANSISTOR 2SC1815GR	3	Q203, Q801, Q802
15.	103-2181527-02	TRANSISTOR 2SC1815GR	1	Q370
16.	103-2181527-02	TRANSISTOR 2SC1815GR	9	Q301, Q1001, Q1003, Q1004, Q1005, Q1006, Q1007, Q1050, Q1051
17.	103-2181527-02	TRANSISTOR 2SC1815GR	6	Q901, Q902, Q903, Q905, Q1002, Q1010 OR 103-2245827-02 2SC2458GR
18.	103-3096418-15	PNP TRANSISTOR 2SA934R	1	Q303 OR 103-3068318-00 2SA683R
19.	103-3227105-06	NPN TRANSISTOR 2SC2271E	1	Q601
20.	103-3805004-00	TRANSISTOR 8050D	2	Q1301, Q1302
21.	103-6030404-06	TRANSOSTPR FET 2SK304(D)	1	Q102
22.	103-8155500-02	HIGH VOLTAGE TRANSISTOR 2SD1555	1	Q602 OR 103-8142705-02 2SD1427E 103-8050800-12 BU508AFI
23.	103-8238315-02	NPN TRANSISTOR 2SC2383(O)	3	Q701, Q702, Q704
24.	103-8248200-02	NPN TRANSISTOR 2SC2482	3	Q871, Q872, Q873
25.	106-1002003-02	FAST RECOVERY RECTIFIER DIODE EM1Z 0.25A 200V	5	D705, D706, D707, D708, D709
26.	106-1002006-02	FAST RECOVERY RECTIFIER DIODE RH1Z 0.6A 200V	2	D607, D608
27.	106-1002006-02	FAST RECOVERY RECTIFIER DIODE RH1Z 0.6A 200A	1	D712
28.	106-1004003-02	FAST RECOVERY RECTIFIER DIODE EM1 0.25A 400V	1	D602
29.	106-1004010-02	FAST RECOVERY RECTIFIER DIODE RU2 1A 400V	1	D711
30.	106-1015005-02	FAST RECOVERY RECTIFIER DIODE ES1F 0.5A 1500V	1	D710
31.	106-3001555-07	SWITCHING DIODE 1S1555	5	D604, D801, D804, D805, D806 OR 106-3004148-00 DIODE 1N4148
32.	106-3001555-07	SWITCHING DIODE 1S1555	19	D1001-D1003, D1007-D1019, D1028, D1029, D1030, D1050 OR 106-3004148-00 1N4148
33.	106-3001555-07	SWITCHING DIODE 1S1555	1	D715
34.	106-3001555-07	SWITCHING DIODE 1S1555	2	D901, D902 OR 106-3004148-00
35.	106-3001555-07	SWITCHING DIODE 1S1555	7	D1301-D1306, D1309 OR 106-3004148-00 1N4148
36.	106-5005105-23	ZENER DIODE HZ5C-2 (5V-5.2V) 1/2W +-2.5%	1	D502 OR 106-5005105-22 MTZJ5.1B (4.94V-5.2V)
37.	106-5005105-23	ZENER DIODE HZ5C-2 (5V-5.2V) 1/2W +-2.5%	1	D1051 OR 106-5005105-22 MTZJ5.1B (4.94V-5.2V)
38.	106-5005605-23	ZENER DIODE HZ6A-3 (5.4V-5.7V) 1/2W +-2.5%	1	D1005 OR 106-5005605-22 MTZJ5.6B (5.45V-5.73V)
39.	106-5005605-23	ZENER DIODE HZ6A-3 (5.4V-5.7V) 1/2W +-2.5%	1	D713 OR 106-5005605-22 MTZJ5.6B (5.45V-5.73V)
40.	106-5007505-23	ZENER DIODE HZ7C-2 (7.3V-7.7V) 1/2W +-2.5%	1	D803 OR 106-5007505-22 MTZJ7.5C (7.29V-7.67V)
41.	106-5009105-23	ZENER DIODE HZ9C-1 (8,9V-9.3V) 1/2W +-2.5%	1	D802 OR 106-5009105-22 MTZJ9.1C (8.83V-9.3V)
42.	106-5009105-23	ZENER DIODE HZ9C-1 (8.9V-9.3V) 1/2W +-2.5%	1	D603 OR 106-5009105-22 MTZJ9.1C (8.83V-9.3V)
43.	106-5012205-23	ZENER DIODE HZ12A-2 (11.9V-12.4V) 1/2W +-2.5%	1	D303 OR 106-5012005-22 MTZJ12C (11.74V-12.35V)
44.	106-6014001-00	RECTIFIER DIODE IN4001 50V/1A	2	D501, D609

ELECTRICAL AND MECHANICAL PART LIST FOR CTV-570

ITEM	PART NO.	DESCRIPTION	QTY	LOCATION
45.	106-6014001-00	RECTIFIER DIODE IN4001 50V/1A	1	D101
46.	106-6455397-00	RECTIFIER DIODE IN5397 (1.5A/600V)	4	D701, D702, D703, D704
47.	107-0600115-04	INFRARED LED TLN-115A	1	D1307
48.	108-0030010-50	M/O RESISTOR S. SUPPORT 1/2W +-5% 1 OHM P=10MM	1	R609
49.	108-0030100-50	M/O RESISTOR S. SUPPORT 1/2W +-5% 10 OHM P=10MM	1	R502
50.	108-0030180-50	M/O RESISTOR S. SUPPORT 1/2W +-5% 18 OHM P=10MM	1	R708
51.	108-0031820-50	M/O RESISTOR S. SUPPORT 1/2W +-5% 820 OHM P=10MM	1	R710
52.	108-0032270-50	M/O RESISTOR S. SUPPORT 1/2W +-5% 2.7K OHM P=10MM	1	R607
53.	108-0040004-50	M/O RESISTOR S. SUPPORT 1W +-5% 0.39 OHM P=12.5MM	1	R704
54.	108-0040820-50	M/O RESISTOR S. SUPPORT 1W +-5% 82 OHM P=12.5MM	1	R608
55.	108-0040820-50	M/O RESISTOR S. SUPPORT 1W +-5% 82 OHM P=12.5MM	1	R709
56.	108-0041270-50	M/O RESISTOR S. SUPPORT 1W +-5% 270 OHM P=12.5MM	1	R506
57.	108-0042150-50	M/O RESISTOR S. SUPPORT 1W +-5% 1.5K OHM P=12.5MM	1	R508
58.	108-0043220-50	M/O RESISTOR S. SUPPORT 1W +-5% 22K OHM P=12.5MM	1	R362
59.	108-0050015-50	M/O RESISTOR S. SUPPORT 2W +-5% 1.5 OHM P=15MM	1	R618 (FOR FBT BSC-04558 ONLY)
60.	108-0050022-50	M/O RESISTOR S. SUPPORT 2W +-5% 2.2 OHM P=15MM	1	R618 (FOR BFT KFS-60455C ONLY)
61.	108-0050150-50	M/O RESISTOR S. SUPPORT 2W +-5% 15 OHM P=15MM	1	R624
62.	108-0051470-50	M/O RESISTOR S. SUPPORT 2W +-5% 470 OHM P=15MM	1	R862
63.	108-0053100-50	M/O RESISTOR S. SUPPORT 2W +-5% 10K OHM P=15MM	1	R120
64.	108-0053150-50	M/O RESISTOR S. SUPPORT 2W +-5% 15K OHM P=15MM	3	R871, R883, R889
65.	108-0053270-50	M/O RESISTOR S. SUPPORT 2W +-5% 27K OHM P=20MM	2	R706, R719
66.	108-0062390-50	M/O RESISTOR S. SUPPORT 3W +-5% 3.9K OHM P=20MM	1	R603
67.	108-0063100-50	M/O RESISTOR S. SUPPORT 3W +-5% 10K OHM P=20MM	1	R718
68.	108-1020020-50	CARBON FILM RESISTOR 1/4W +-5% 2 OHM	1	R1303
69.	108-1020033-50	CARBON FILM RESISTOR 1/4W +-5% 3.3 OHM	1	R356
70.	108-1020047-50	CARBON FILM RESISTOR 1/4W +-5% 4.7 OHM	1	R1071
71.	108-1020100-50	CARBON FILM RESISTOR 1/4W +-5% 10 OHM	1	R1021
72.	108-1020100-50	CARBON FILM RESISTOR 1/4W +-5% 10 OHM	1	R930
73.	108-1020270-50	CARBON FILM RESISTOR 1/4W +-5% 27 OHM	2	R109, R312
74.	108-1020330-50	CARBON FILM RESISTOR 1/4W +-5% 33 OHM	2	R705, R711
75.	108-1020390-50	CARBON FILM RESISTOR 1/4W +-5% 39 OHM	1	R605
76	108-1020470-50	CARBON FILM RESISTOR 1/4W +-5% 47 OHM	1	R308
*77.	108-1020560-50	CARBON FILM RESISTOR 1/4W +-5% 56 OHM	1	R102
78.	108-1020750-50	CARBON FILM RESISTOR 1/4W +-5% 75 OHM	1	R310
79.	108-1020820-50	CARBON FILM RESISTOR 1/4W +-5% 82 OHM	1	R101
80.	108-1021100-50	CARBON FILM RESISTOR 1/4W +-5% 100 OHM	2	R602, R809
81.	108-1021100-50	CARBON FILM RESISTOR 1/4W +-5% 100 OHM	1	R1212
82.	108-1021100-50	CARBON FILM RESISTOR 1/4W +-5% 100 OHM	6	R1001, R1002, R1046, R1047, R1048, R1049
83.	108-1021100-50	CARBON FILM RESISTOR 1/4W +-5% 100 OHM	1	R932
84.	108-1021100-50	CARBON FILM RESISTOR 1/4W +-5% 100 OHM	1	R1076
85.	108-1021120-50	CARBON FILM RESISTOR 1/4W +-5% 120 OHM	1	R201
86.	108-1021120-50	CARBON FILM RESISTOR 1/4W +-5% 120 OHM	1	R901
*87	108-1021150-50	CARBON FILM RESISTOR 1/4W +-5% 150 OHM	1	R104
88.	108-1021180-50	CARBON FILM RESISTOR 1/4W +-5% 180 OHM	1	R845
89.	108-1021180-50	CARBON FILM RESISTOR 1/4W +-5% 180 OHM	1	R902
90.	108-1021220-50	CARBON FILM RESISTOR 1/4W +-5% 220 OHM	9	R113, R202, R821, R822, R823, R872, R884, R890, R306
91.	108-1021220-50	CARBON FILM RESISTOR 1/4W +-5% 220 OHM	2	R818, R820
92.	108-1021220-50	CARBON FILM RESISTOR 1/4W +-5% 220 OHM	1	R1304
93.	108-1021330-50	CARBON FILM RESISTOR 1/4W +-5% 330 OHM	1	R303

ELECTRICAL AND MECHANICAL PART LIST FOR CTV-570

ITEM	PART NO.	DESCRIPTION	QTY	LOCATION
94.	108-1021330-50	CARBON FILM RESISTOR 1/4W +-5% 330 OHM	1	R1079
95.	108-1021330-50	CARBON FILM RESISTOR 1/4W +-5% 330 OHM	1	R1302
96.	108-1021390-50	CARBON FILM RESISTOR 1/4W +-5% 390 OHM	3	R863, R838, R851
97.	108-1021470-50	CARBON FILM RESISTOR 1/4W +-5% 470 OHM	4	R361, R601, R881, R893
*98.	108-1021470-50	CARBON FILM RESISTOR 1/4W +-5% 470 OHM	1	R103
99.	108-1021510-50	CARBON FILM RESISTOR 1/4W +-5% 510 OHM	1	R824
100.	108-1021560-50	CARBON FILM RESISTOR 1/4W +-5% 560 OHM	2	R1202, R1216
101.	108-1021560-50	CARBON FILM RESISTOR 1/4W +-5% 560 OHM	2	R1018, R1020
102.	108-1021680-50	CARBON FILM RESISTOR 1/4W +-5% 680 OHM	2	R107, R302
103.	108-1021680-50	CARBON FILM RESISTOR 1/4W +-5% 680 OHM	2	R613, R1026
104.	108-1021680-50	CARBON FILM RESISTOR 1/4W +-5% 680 OHM	1	R903
105.	108-1021820-50	CARBON FILM RESISTOR 1/4W +-5% 820 OHM	5	R847, R873, R874, R880, R891
106.	108-1022100-50	CARBON FILM RESISTOR 1/4W +-5% 1K OHM	11	R108, R208, R819, R826, R831, R836, R837, R846, R804, R810, R861
107.	108-1022180-50	CARBON FILM RESISTOR 1/4W +-5% 1K OHM	1	R360
108.	108-1022220-50	CARBON FILM RESISTOR 1/4W +-5% 1K OHM	3	R1051, R1213, R1214
109.	108-1022220-50	CARBON FILM RESISTOR 1/4W +-5% 1K OHM	3	R1027, R1031, R1032
110.	108-1022270-50	CARBON FILM RESISTOR 1/4W +-5% 1K OHM	1	R917
111.	108-1022120-50	CARBON FILM RESISTOR 1/4W +-5% 1.2K OHM	1	R350
112.	108-1022120-50	CARBON FILM RESISTOR 1/4W +-5% 1.2K OHM	1	R359
114.	108-1022120-50	CARBON FILM RESISTOR 1/4W +-5% 1.2K OHM	1	R906
115.	108-1022150-50	CARBON FILM RESISTOR 1/4W +-5% 1.5K OHM	3	R211, R808, R856
116.	108-1022150-50	CARBON FILM RESISTOR 1/4W +-5% 1.5K OHM	1	R712
117.	108-1022180-50	CARBON FILM RESISTOR 1/4W +-5% 1.8K OHM	1	R123
118.	108-1022220-50	CARBON FILM RESISTOR 1/4W +-5% 2.2K OHM	1	R850
119.	108-1022220-50	CARBON FILM RESISTOR 1/4W +-5% 2.2K OHM	3	R1010, R1057, R1058
120.	108-1022270-50	CARBON FILM RESISTOR 1/4W +-5% 2.7K OHM	1	R811
121.	108-1022300-50	CARBON FILM RESISTOR 1/4W +-5% 3K OHM	1	R82
122.	108-1022330-50	CARBON FILM RESISTOR 1/4W +-5% 3.3K OHM	2	R304, R840
123.	108-1022330-50	CARBON FILM RESISTOR 1/4W +-5% 3.3K OHM	1	R370
124.	108-1022330-50	CARBON FILM RESISTOR 1/4W +-5% 3.3K OHM	3	R1007, R1056, R1059
125.	108-1022390-50	CARBON FILM RESISTOR 1/4W +-5% 3.9K OHM	2	R301, R817
126.	108-1022470-50	CARBON FILM RESISTOR 1/4W +-5% 4.7K OHM	1	R114
127.	108-1022470-50	CARBON FILM RESISTOR 1/4W +-5% 4.7K OHM	2	R905, R916
128.	108-1022510-50	CARBON FILM RESISTOR 1/4W +-5% 5.1K OHM	1	R933
129.	108-1022560-50	CARBON FILM RESISTOR 1/4W +-5% 5.6K OHM	3	R106, R309, R839
130.	108-1022560-50	CARBON FILM RESISTOR 1/4W +-5% 5.6K OHM	1	R1210
131.	108-1022560-50	CARBON FILM RESISTOR 1/4W +-5% 5.6K OHM	1	R357
132.	108-1022560-50	CARBON FILM RESISTOR 1/4W +-5% 5.6K OHM	1	R1301
133.	108-1022680-50	CARBON FILM RESISTOR 1/4W +-5% 6.8K OHM	1	R617
134.	108-1022680-50	CARBON FILM RESISTOR 1/4W +-5% 6.8K OHM	1	R1009
135.	108-1022820-50	CARBON FILM RESISTOR 1/4W +-5% 8.2K OHM	2	R1201, R1215
136.	108-1023100-50	CARBON FILM RESISTOR 1/4W +-5% 10K OHM	10	R118, R119, R121, R611, R612, R614, R854, R803, R860, R353
137.	108-1023100-50	CARBON FILM RESISTOR 1/4W +-5% 10K OHM	2	R371, R1072 (FOR IC TA8659AN USE ONLY)
138.	108-1023100-50	CARBON FILM RESISTOR 1/4W +-5% 10K OHM	1	R372
139.	108-1023100-50	CARBON FILM RESISTOR 1/4W +-5% 10K OHM	1	R1207
140.	108-1023100-50	CARBON FILM RESISTOR 1/4W +-5% 10K OHM	6	R126, R1003, R1006, R1008, R1019, R1053
141.	108-1023100-50	CARBON FILM RESISTOR 1/4W +-5% 10K OHM	1	R703
142.	108-1023100-50	CARBON FILM RESISTOR 1/4W +-5% 10K OHM	3	R349, R931, R1030

ELECTRICAL AND MECHANICAL PART LIST FOR CTV-570

ITEM	PART NO.	DESCRIPTION	QTY	LOCATION
143.	108-1023120-50	CARBON FILM RESISTOR 1/4W +-5% 12K OHM	2	R110, R615
144.	108-1023150-50	CARBON FILM RESISTOR 1/4W +-5% 15K OHM	1	R117
145.	108-1023150-50	CARBON FILM RESISTOR 1/4W +-5% 15K OHM	1	R627
146.	108-1023160-50	CARBON FILM RESISTOR 1/4W +-5% 16K OHM	1	R1012
148.	108-1023180-50	CARBON FILM RESISTOR 1/4W +-5% 18K OHM	3	R828, R830, R311
149.	108-1023180-50	CARBON FILM RESISTOR 1/4W +-5% 18K OHM	2	R805, R1074 (FOR IC TA8659AN USE ONLY)
150.	108-1023180-50	CARBON FILM RESISTOR 1/4W +-5% 18K OHM	1	R1016
151.	108-1023180-50	CARBON FILM RESISTOR 1/4W +-5% 18K OHM	1	R1011
152.	108-1023180-50	CARBON FILM RESISTOR 1/4W +-5% 18K OHM	1	R904
153.	108-1023220-50	CARBON FILM RESISTOR 1/4W +-5% 22K OHM	2	R852, R1070
154.	108-1023220-50	CARBON FILM RESISTOR 1/4W +-5% 22K OHM	14	R122, R1004, R1005, R1034-R1044
155.	108-1023270-50	CARBON FILM RESISTOR 1/4W +-5% 27K OHM	2	R833, R814
156.	108-1023270-50	CARBON FILM RESISTOR 1/4W +-5% 27K OHM	1	R1209
157.	108-1023330-50	CARBON FILM RESISTOR 1/4W +-5% 33K OHM	1	R858
158.	108-1023330-50	CARBON FILM RESISTOR 1/4W +-5% 33K OHM	2	R115, R116
159.	108-1023330-50	CARBON FILM RESISTOR 1/4W +-5% 33K OHM	3	R907, R915, R919
160.	108-1023470-50	CARBON FILM RESISTOR 1/4W +-5% 47K OHM	5	R801, R802, R855, R857, R313
161.	108-1023470-50	CARBON FILM RESISTOR 1/4W +-5% 47K OHM	3	R1013, R1014, R1015
162.	108-1023510-50	CARBON FILM RESISTOR 1/4W +-5% 51K OHM	2	R918, R929
163.	108-1023560-50	CARBON FILM RESISTOR 1/4W +-5% 56K OHM	2	R806, R859
164.	108-1023560-50	CARBON FILM RESISTOR 1/4W +-5% 56K OHM	1	R1023
165.	108-1024100-50	CARBON FILM RESISTOR 1/4W +-5% 100K OHM	4	R127, R128, R823, R352
166.	108-1024100-50	CARBON FILM RESISTOR 1/4W +-5% 100K OHM	1	R717
167.	108-1024100-50	CARBON FILM RESISTOR 1/4W +-5% 100K OHM	2	R124, R1050
168.	108-1024120-50	CARBON FILM RESISTOR 1/4W +-5% 120K OHM	1	R1022
169.	108-1024220-50	CARBON FILM RESISTOR 1/4W +-5% 220K OHM	1	R355
170.	108-1024240-50	CARBON FILM RESISTOR 1/4W +-5% 240K OHM	1	R827
171.	108-1024330-50	CARBON FILM RESISTOR 1/4W +-5% 330K OHM	1	R848
172.	108-1024470-50	CARBON FILM RESISTOR 1/4W +-5% 470K OHM	2	R111, R835
173.	108-1024510-50	CARBON FILM RESISTOR 1/4W +-5% 510K OHM	1	R1211
174.	108-1024560-50	CARBON FILM RESISTOR 1/4W +-5% 560K OHM	1	R112
175.	108-1025100-50	CARBON FILM RESISTOR 1/4W +-5% 1M OHM	1	R125
176.	108-1030033-50	CARBON FILM RESISTOR 1/2W +-5% 3.3 OHM	1	R834
177.	108-1032120-50	CARBON FILM RESISTOR 1/2W +-5% 1.2K OHM	1	R606
178.	108-1032470-50	CARBON FILM RESISTOR 1/2W +-5% 4.7K OHM	1	R604
179.	108-1034150-50	CARBON FILM RESISTOR 1/2W +-5% 150K OHM	1	R625
180.	108-2032270-50	CARBON COMPOSITION RESISTOR 1/2W +-5% 2.7K OHM	3	R876, R877, R878
181.	108-2036100-50	CARBON COMPOSITION RESISTOR 1/2W +-5% 10M OHM	2	R715, R7001
182.	108-3010039-53	CEMENT WIRE WOUND RES. PRVA TYPE 3.9 OHM 5W +-5%	1	R701
183.	108-5044220-54	SPECIAL POWER RESISTOR 1W +-5% 220K OHM	1	R702
184.	108-5044390-54	SPECIAL POWER RESISTOR 1W +-5% 390K OHM	1	R707
185.	108-7218002-01	POSITIVE THERMISTOR ERP-Z5B0N180A	1	PTH701 OR 108-7218001-02 PTH8G180N270 OR 108-7218002-02 PTH8G180M290 OR 108-7218001-05 PA5D-180NN5-00 OR 108-7218002-05 PAID-180NN5-D5
186.	108-8030047-54	FUSING RESISTOR SELF SUPPORT 1/2W +-5% 4.7 OHM	1	R610
187.	108-8040010-54	FUSING RESISTOR SELF SUPPORT 1W +-5% 1 OHM	1	R622 (FOR FBT BSC-055B ONLY)
188.	108-8040022-54	FUSING RESISTOR SELF SUPPORT 1W +-5% 2.2 OHM	1	R622 (FOR FBT KFS-60455C ONLY)
189.	108-8040022-54	FUSING RESISTOR SELF SUPPORT 1W +-5% 2.2 OHM	1	R716
190.	108-8040033-54	FUSING RESISTOR SELF SUPPORT 1W +-5% 3.3 OHM	1	R623

ELECTRICAL AND MECHANICAL PART LIST FOR CTV-570

ITEM	PART NO.	DESCRIPTION	QTY	LOCATION
191.	109-5532310-03	ROTARY V.R. 10KB RK09K1130 VERTICAL MOUNT	1	VR1073
192.	111-1022150-03	SEMI-FIXED RESISTOR 500 OHM B VERT. MOUNT	2	VR882, VR894
193.	111-1022250-03	SEMI-FIXED RESISTOR 5K OHM B VERT. MOUNT	3	VR875, VR879, VR892
194.	111-2022120-01	SEMI-FIXED RESISTOR 200 OHM(B) HORI. TYPE DIA. 8MM	1	VR616
195.	111-2022210-01	SEMI-FIXED RESISTOR 1KB HORI. TYPE DIA. 8MM	1	VR849
196.	111-2022220-01	SEMI-FIXED RESISTOR 2KB HORI. TYPE DIA. 8MM	1	VR1001
197.	111-2022310-01	SEMI-FIXED RESISTOR 10K(B) HORI. TYPE DIA. 8MM	2	VR307, VR853
198.	111-2022350-01	SEMI-FIXED RESISTOR 50KB HORI. TYPE DIA. 8MM	2	VR816, VR829
199.	112-1120050-91	CERAMIC CAP. 5PF +-0.5PF 50V (NPO)	2	C101, C102
*200.	112-1120050-91	CERAMIC CAP. 5PF +-0.5PF 50V (NPO)	2	C103, C104
201.	112-1140150-91	CERAMIC CAP. 15PF +-5% 50V (NPO)	1	C1011
202.	112-1140300-91	CERAMIC CAP. 30PF +-5% 50V (NPO)	2	C1013, C1014
203.	112-1140390-91	CERAMIC CAP. 39PF +-5% 50V (NPO)	1	C1012
204.	112-1140470-91	CERAMIC CAP. 47PF +-5% 50V (NPO)	2	C201, C202
205.	112-1140470-91	CERAMIC CAP. 47PF +-5% 50V (NPO)	1	C1205
206.	112-1150100-71	CERAMIC CAP. 10PF +-5% 50V (SL)	1	C304
207.	112-1150150-71	CERAMIC CAP. 15PF +-10% 50V (SL)	1	C106
208.	112-1150270-71	CERAMIC CAP. 27PF +-10% 50V (SL)	1	C1003
209.	112-1150330-71	CERAMIC CAP. 33PF +-10% 50V (SL)	2	C822, C823
210.	112-1150470-71	CERAMIC CAP. 47PF +-10% 50V (SL)	1	C1228
211.	112-1150470-71	CERAMIC CAP. 47PF +-10% 50V (SL)	1	C126
212.	112-1150560-71	CERAMIC CAP. 56PF +-10% 50V (SL)	2	C125, C127
213.	112-1150680-71	CERAMIC CAP. 68PF +-10% 50V (SL)	4	C1216, C1217, C1219, C1220
214.	112-1151100-71	CERAMIC CAP. 100PF +-10% 50V (SL)	1	C124
215.	112-1151100-71	CERAMIC CAP. 100PF +-10% 50V (SL)	4	C1206, C1211, C1221, C1223
216.	112-1151100-71	CERAMIC CAP. 100PF +-10% 50V (SL)	9	C118, C119, C1001, C1002, C1015, C1017, C1018, C1019, C1024
217.	112-1151120-71	CERAMIC CAP. 120PF +-10% 50V (SL)	1	C601
218.	112-1151150-71	CERAMIC CAP. 150PF +-10% 50V (SL)	1	C505
219.	112-1151180-71	CERAMIC CAP. 180PF +-10% 50V (SL)	2	C1201, C1222
220.	112-1151220-71	CERAMIC CAP. 220PF +-10% 50V (SL)	1	C1210
221.	112-1151220-71	CERAMIC CAP. 220PF +-10% 50V (SL)	2	C616, C1026
222.	112-1151220-71	CERAMIC CAP. 220PF +-10% 50V (SL)	2	C1302, C1303
223.	112-1151330-71	CERAMIC CAP. 330PF +-10% 50V (SL)	1	C873
224.	112-1151390-71	CERAMIC CAP. 390PF +-10% 50V (SL)	2	C871, C872
225.	112-1151470-71	CERAMIC CAP. 470PF +-10% 50V (SL)	1	C904
226.	112-1151820-71	CERAMIC CAP. 820PF +-10% 50V (SL)	1	C309
227.	112-1561220-71	CERAMIC CAP. 220PF +-20% 500V (SL)	2	C602, C608
228.	112-2162100-01	CERAMIC CAP. 0.001UF +-20% 50V	5	C503, C818, C840, C302, C311
229.	112-2163100-01	CERAMIC CAP. 0.01UF +-20% 50V	20	C105, C107, C108, C109, C128, C301, C305, C306, C308, C313, C314, C605, C803, C809, C815, C832, C833, C841, C829, C1071
230.	112-2163100-01	CERAMIC CAP. 0.01UF +-20% 50V	1	C1227 (FOR IC TA8659AN USE ONLY)
231.	112-2163100-01	CERAMIC CAP. 0.01UF +-20% 50V	2	C1212, C1224
232	112-2163100-01	CERAMIC CAP. 0.01UF +-20% 50V	1	C1010
233.	112-2163100-01	CERAMIC CAP. 0.01UF +-20% 50V	1	C1072
234.	112-2172100-01	CERAMIC CAP. 0.001UF +80-20% 50V	3	C1023, C1025, C1027
235.	112-2562100-01	CERAMIC CAP. 0.001UF +-20% 500V	4	C603, C611, C622, C623
236.	112-2562100-01	CERAMIC CAP. 0.001UF +-20% 500V	2	C711, C720

ELECTRICAL AND MECHANICAL PART LIST FOR CTV-570

ITEM	PART NO.	DESCRIPTION	QTY	LOCATION
237.	112-2563100-01	CERAMIC CAP. 0.01UF +-20% 500V	4	C701, C702, C703, C704
238.	112-2563100-01	CERAMIC CAP. 0.01UF +-20% 500V	1	C719
239.	112-2851470-03	HIGH VOLTAGE CERAMIC CAP. 470PF +-10% 1KV	1	C707
240.	112-2852470-03	HIGH VOLTAGE CERAMIC CAP. 0.0047UF +-10% 1KV	1	C877
241.	112-4362100-63	AC CAP. VDE/UL RECOGNIZED 0.001UF +-20% 400VAC	3	C722, C7005, C7006
242.	112-4363100-62	AC CAP. VDE/UL RECOGNIZED 0.01UF +-20% 400VAC	1	C7002
243.	113-1020710-20	ELECT. CAP. 100UF/10V +-20%	1	C1301
244.	113-1020722-20	ELECT. CAP. 220UF/10V +-20%	1	C901
245.	113-1030610-20	ELECT. CAP. 10UF/16V +-20%	6	C351, C801, C808, C814, C834, C835
246.	113-1030647-20	ELECT. CAP. 47UF/16V +-20%	3	C303, C307, C317
247.	113-1030647-20	ELECT. CAP. 47UF/16V +-20%	3	C902, C912, C913
248.	113-1030710-20	ELECT. CAP. 100UF/16V +-20%	1	C836
249.	113-1030710-20	ELECT. CAP. 100UF/16V +-20%	1	C1020
250.	113-1030722-20	ELECT. CAP. 220UF/16V +-20%	1	C810
251.	113-1030747-20	ELECT. CAP. 470UF/16V +-20%	1	C617
252.	113-1040722-20	ELECT. CAP. 220UF/25V +-20%	1	C620
253.	113-1040747-20	ELECT. CAP. 470UF/25V +-20%	1	C721
254.	113-1040810-20	ELECT. CAP. 1000UF/25V +-20%	2	C367, C821
255.	113-1060710-20	ELECT. CAP. 100UF/35V +-20%	1	C501
256.	113-1060722-20	ELECT. CAP. 220UF/35V +-20%	3	C358, C502, C621
257.	113-1080410-20	ELECT. CAP. 0.1UF/50V +-20%	3	C111, C115, C116
258.	113-1080447-20	ELECT. CAP. 0.47UF/50V +-20%	3	C624, C824, C831
259.	113-1080447-20	ELECT. CAP. 0.47UF/50V +-20%	4	C837, C838, C839, C1204
260.	113-1080510-20	ELECT. CAP. 1UF/50V +-20%	4	C110, C112, C114, C819
261.	113-1080510-20	ELECT. CAP. 1UF/50V +-20%	1	C355
262.	113-1080510-20	ELECT. CAP. 1UF/50V +-20%	2	C1005, C1050
263.	113-1080522-20	ELECT. CAP. 2.2UF/50V +-20%	3	C113, C117, C820
264.	113-1080522-20	ELECT. CAP. 2.2UF/50V +-20%	1	C1226
265.	113-1080522-20	ELECT. CAP. 2.2UF/50V +-20%	1	C359
266.	113-1080533-20	ELECT. CAP. 3.3UF/50V +-20%	1	C816
267.	113-1080547-20	ELECT. CAP. 4.7UF/50V +-20%	2	C372, C373
268.	113-1080547-20	ELECT. CAP. 4.7UF/50V +-20%	1	C911
269.	113-1080622-20	ELECT. CAP. 22UF/50V +-20%	1	C120
270.	113-1089510-20	NON-POLAR ELECT. CAP. 1UF/50V +-20%	1	C826
271.	113-1089510-20	NON-POLAR ELECT. CAP. 1UF/50V +-20%	1	C905
272.	113-1094633-21	ELECT. CAP. 33UF/63V +-20% 105 DEG. CENT.	1	C708
273.	113-1140610-21	ELECT. CAP. 10UF/160V +-20%	1	C706
274.	113-1140710-21	ELECT. CAP. 100UF/160V +-20%	1	C718
275.	113-1170547-20	ELECT. CAP. 4.7UF/250V +-20%	1	C612
276.	113-3200710-20	SNAP-IN TYPE ELECT. CAP. 100UF/400V +-20%	1	C705
277.	114-2102210-50	MYLAR CAP. 0.001UF +-10% 100V	2	C614, C825
278.	114-2102215-20	MYLAR CAP. 0.0015UF +-10% 100V	1	C374
279.	114-2102222-50	MYLAR CAP. 0.0022UF +-10% 100V	1	C504
280.	114-2102247-50	MYLAR CAP. 0.0047UF +-10% 100V	1	C828
281.	114-2102310-50	MYLAR CAP. 0.01UF +-10% 100V	1	C827
282.	114-2102310-50	MYLAR CAP. 0.01UF +-10% 100V	1	C1225
283.	114-2102310-50	MYLAR CAP. 0.01UF +-10% 100V	1	C1008
284.	114-2102322-50	MYLAR CAP. 0.022UF +-10% 100V	1	C817
285.	114-2102322-50	MYLAR CAP. 0.022UF +-10% 100V	2	C615, C1209
286.	114-2102327-50	MYLAR CAP. 0.027UF +-10% 100V	1	C1213

ELECTRICAL AND MECHANICAL PART LIST FOR CTV-570

ITEM	PART NO.	DESCRIPTION	QTY	LOCATION
287.	114-2102347-50	MYLAR CAP. 0.047UF +-10% 100V	1	C709
288.	114-2102368-50	MYLAR CAP. 0.068UF +-10% 100V	1	C310
289.	114-2102410-50	MYLAR CAP. 0.1UF +-10% 100V	7	C121, C122, C123, C506, C806, C807, C1207
290.	114-2102410-50	MYLAR CAP. 0.1UF +-10% 100V	1	C356
291.	114-2102410-50	MYLAR CAP. 0.1UF +-10% 100V	2	C1202, C1203
292.	114-2102410-50	MYLAR CAP. 0.1UF +-10% 100V	1	C1004
293.	114-3104422-51	METALLIZED POLYESTER FILM CAP. 0.22UF +-10% 250V	1	C625
294.	114-3104447-51	METALLIZED POLYESTER FILM CAP. 0.47UF +-10% 250V	1	C607
295.	114-3105347-51	METALLIZED POLYESTER FILM CAP. 0.047UF +-10% 400V	2	C604, C613
296.	114-4108347-51	METALLIZED POLYESTER FILM CAP. 0.047UF 800V +-10%	1	C710
297.	114-4109239-46	POLYPROPYLENE FILM CAP. 3900PF 1.6KV +-5%	1	C610
298.	114-4109247-46	POLYPROPYLENE FILM CAP. 4700PF 1.6KV +-5%	1	C609
299.	114-5100447-60	TANTALUM CAP. 0.47UF 35V +-20%	1	C315
300.	114-8101410-51	MYLAR CAP. 0.1UF +-10% 50V MINI SIZE	1	C316
301.	114-8101410-51	MYLAR CAP. 0.1UF +-10% 50V MINI SIZE	1	C370
302.	114-9134322-68	AC CAP.(P.PYLENE) 0.022UF 250V +-20% UL/VDE APPRD	1	C7002 (FOR FTZ ONLY)
303.	114-9134422-68	AC CAP. (P.PYLENE) 0.22UF 275V +-20% UL/VDE APPD.	1	C7001 (NON FTZ ONLY)
304.	114-9134447-64	AC CAP. (P.PYLENE) 0.47UF 275V +-20% UL/VDE APPD.	1	C7001 (FOR FTZ ONLY)
305.	118-3514026-03	SOUND IFT 804-026	1	T303 OR 118-3510058-07 CST-9005B
306.	118-4514025-03	VIDEO IFT 804-025	2	T301, T302 OR 118-4510057-07 CST-90057
307.	118-5218108-01	IFT COIL R22-E894 (HM-8108) (BELL FILTER)	1	T1202 OR 118-5314027-03 804-027
308.	118-5310715-01	CHROMA BAND PASS R22E715X (IFT TYPE)	1	T802
309.	118-6310716-01	MATCHING COIL (DL) R22E716X (IFT TYPE)	1	T801
310.	118-6510717-01	MATCHING COIL (SAWF) R22-E717X (7X9MM)	1	T103
311.	118-7218280-01	IFT R22-E892 (HM-8280) IDENT & DEME COIL	3	T1201, T1203, T1204
*312.	118-8510044-03	TRAP COIL 40.4MHZ E-579 (804-044)	1	T101 OR 118-8510056-07 CST-90056
*313.	118-8510045-03	TRAP COIL 31.9MHZ E-578 (804-045)	1	T102 OR 118-8510055-07 CST-90055
314.	119-1500012-01	TRAP COIL 1.2UH (AXIAL) TYPE	1	L101
315.	119-1500120-11	FIXED COIL 12UH PITCH=7.5MM FORMING ELEBF120KA	2	L803, L805
316.	119-1500150-11	FIXED COIL 15UH PITCH=7.5MM FORMING ELEPF TYPE	1	L201
317.	119-1500150-11	FIXED COIL 15UH PITCH=7.5MM FORMING ELEPF TYPE	1	L205
318.	119-1500390-11	FIXED COIL 39UH PITCH=7.5MM FORMING ELEPF TYPE	1	L802
319.	119-1500390-11	FIXED COIL 39UH PITCH=7.5MM FORMING ELEPF TYPE.	1	L1201
320.	119-1501220-11	FIXED COIL 220UH PITCH=7.5MM FORMING ELEPF TYPE	1	L871
321.	119-1540033-21	FIXED COIL 3.3UH PITCH=10MM FORMING TYPE ELEBD	2	L301, L351
322.	119-1540150-41	FIXED COIL 15UH P=12.5MM FORMING ELEAA TYPE(460MA)	1	L352
323.	119-1612330-01	FIXED COIL RADIAL 3.3MH 100MA ELC-08D066	1	L602
324.	120-1024433-06	CRYSTAL 4.433MHZ (HC-18/U)	1	X801 OR 120-1024433-09 HPA-2003
325.	121-0013550-00	FERRITE BEAD #31061 3.5 X 5 X 1.3MM	10	FOR D602, D607, D608, D711, D712
326.	121-0413560-01	FERRITE BEAD "BLO2RNO2-R62-001"	4	FB601, FB602, FB603, FB703
327.	121-0413560-01	FERRITE BEAD "BLO2RNO2-R62-001"	1	FB701
328.	122-4191005-02	DRIVE X'FMR R1005	1	T601
329.	122-5030455-04	FLYBACK TRANSFORMER KFS-60455C	1	T602 OR 122-5030455-10 BSC-0455B
330.	122-6019086-07	SWITCHING TRANSFORMER 75B-9086A	1	T701 OR 122-6019086-09 SS-9086-09
331.	124-1032124-01	LED DIA. 3MM RED TLR-124	1	D1308
332.	124-1052114-01	LED DIA. 5MM RED TLR-114A	1	D1071
333.	125-3252037-05	2P 2 WIRES HOUSING #22 W/4 TER. L1=520MM, L2=200MM	1	FOR SPEAKER
334.	125-3430036-05	4P 3 WIRES HOUSING AWG#24 2468 FLAT CABLE L=300MM	1	(H) 180VDC & HEATER
335.	125-3536019-05	5P 5 WIRES HOUSING AWG#26 2468 FLAT CABLE L=360MM	1	(K) VIDEO OUTPUT
336.	125-3624011-05	6P 6 WIRES HOUSING AWG#26 2468 FLAT CABLE L=240MM	1	(AV)

ELECTRICAL AND MECHANICAL PART LIST FOR CTV-570

ITEM	PART NO.	DESCRIPTION	QTY	LOCATION
337.	126-1100250-05	TOP ENTRY CONNECTOR (1 X 2)	1	(S)
338.	126-1100450-05	TOP ENTRY CONNECTOR (1 X 4)	1	(H)
339.	126-1100550-05	TOP ENTRY CONNECTOR (1 X 5)	1	(K)
340.	126-1100650-05	TOP ENTRY CONNECTOR (1 X 6)	1	(AV)
341.	126-2180250-02	2 PIN SPECIAL SOCKET GRAY DIA. 2. 36MM	1	(DG)
342.	126-3190550-02	5 PIN SPECIAL SOCKET DIA. 1 .55MM WHITE	1	(DY)
343.	126-4201250-02	2.5MM PITCH RIGHT ANGLE WAFER (1 X 12)	1	(I)
344.	127-3201055-01	CERAMIC FILTER 5.5MHZ SFE-5.5MB	1	CF201
345.	127-4201055-01	CERAMIC TRAP 5.5MHZ TPS-5.5MB	1	CF204
346.	127-5100455-01	CERAMIC RESONATOR 455 KHZ CSB455EB	1	X1301
347.	127-5101503-01	CERAMIC RESONATOR 503.5 KHZ CSB503F30	1	CF801
*348.	127-7151034-02	SAW FILTER F1034	1	SF101
349.	129-0102206-05	SLIDE SWITCH 2P2T SS-22H02-G9	1	S801
350.	129-0701105-16	POWER SWITCH JPW-1101 5A/80A 250V UL & CSA RECOGN.	1	OR 129-0701107-07 SOLIP-D FRAME A
351.	129-1101103-04	TACT SWITCH EVQ-PAC 07K	4	S1001, S1002, S1003, S1004
352.	129-1101104-07	PUSH SWITCH SKECAA080A	9	S1006-S1014
353.	131-0601001-05	RCA JACK DIA. 8.3MM TRC007	2	(VIDEO IN), (AUDIO IN)
354.	131-0762201-01	CRT SOCKET CVT3210-0402	1	OR 131-0762202-03 ISH-33
355.	133-0113018-00	AC TEST PIN L=18MM	4	J3, J4, AC IN
356.	133-0211019-00	TEST PIN L 19MM	11	TP101, TP102, TP103, TP301, TP302, TP303, TP601, TP602, TP202. TP801, TP802
357.	133-0211019-00	TEST PIN L 19MM	5	TP1201, TP1202, TP1203, TP1204, TP1205
358.	133-0412416-00	MALE PIN SOCKET DIA.2.36MM 1 PIN	1	(L1)
359.	134-1333003-01	MINIATURE EARPHONE JACK DIA. 3.5MM HSJ0842-01-010	1	PHONE
360.	136-2420509-01	SPEAKER 4 OHM 2W 2" X 3-1/2" CO91A06H0052	2	
361.	137-2102200-00	FUSE 2A 250V DIA. 5 X 20MM TIME LAG VDE RECOGNIZED	1	F701
362.	138-1060002-00	FUSE HOLDER 6MM TERMINAL SPACE (FOR DIA. 5MM FUSE)	2	FOR FUSE
363.	139-2220070-07	AC POWER CORD 7FT 2.5A/250VAC MULTI STD, RECOGNIZED	1	
364.	140-1260120-40	JUMPER WIRE UL1007 AWG#26 5-120-5MM YELLOW	1	J6 - J6
365.	140-1260160-40	JUMPER WIRE UL1007 QWG#26 5-160-5MM YELLOW	1	J5 - J5
366.	140-5220220-10	JUMPER WIRE UL1672 AWG#22 5-220-5MM BROWN	1	J4 TO POWER SWITCH
367.	140-5220220-60	JUMPER WIRE UL1672 AWG#22 5-220-5MM BLUE	1	J3 TO POWER SWITCH
368.	142-4601011-00	10 PIN FLAT CABLE AWG#26 BLACK L=110MM UL TYPE	1	(A) TO CONTROL BOARD + (CT1)
369.	142-4601014-00	10 PIN FLAT CABLE AWG#26 BLACK L=140MM UL TYPE	1	(B) TO CONTROL BOARD + (CT2)
370.	143-1206006-00	TIN PLATED WIRE (BEND) DIA. 0.6 L=6MM	14	
371.	143-1206006-00	TIN PLATED WIRE (BEND) DIA. 0.6 L=6MM	2	
372.	143-1206007-00	TIN PLATED WIRE (BEND) DIA. 0.6 L=7MM	1	
373.	143-1206008-00	TIN PLATED WIRE (BEND) DIA. 0.6 L=8MM	1	
374.	143-1206010-00	TIN PLATED WIRE (BEND) DIA. 0.6 L=10MM	117	
375.	143-1206010-00	TIN PLATED WIRE (BEND) DIA. 0.6 L=10MM	4	
376.	143-1206012-00	TIN PLATED WIRE (BEND) DIA. 0.6 L=12MM	1	
377.	143-1206015-00	TIN PLATED WIRE (BEND) DIA. 0.6 L=15MM	2	
378.	145-1060180-00	UL PLASTIC TUBE I/D DIA. 6MM L=180MM	1	FOR (MP) HOUSING WIRE DRESSING
379.	145-4035015-00	UL SHRINKABLE TUBE I/D DIA. 3.5MM L=15MM	6	
380.	150-2011011-02	MAIN PCB (296.8X234.8)MM (270890) FOR NEW PAL	1	
381.	150-2020910-00	CRT BOARD (82X70)MM (310790) 29.1MM,HBP.RGB IN	1	
382.	150-2040200-01	AV BOARD (50X70)MM (010890) AV IN ONLY	1	
383.	150-2050900-02	20"/21" CONTROL BOARD (165X73)MM (070990) NEW PAL	1	
384.	150-2060504-00	HANDSET BOARD (93.5X55)MM (060790), FOR IC M50560	1	
385.	150-2100101-00	IF BOARD (040590) (51X62)MM	1	

ELECTRICAL AND MECHANICAL PART LIST FOR CTV-570

ITEM	PART NO.	DESCRIPTION	QTY	LOCATION
386.	152-6512111-02	20" CRT 51GGB95X-TC (YOKE DSE-1992PL)	1	
387.	153-1040334-02	Y DELAY LINE ELT-10Z334N/ZT10Z-3051	1	DL801 OR 153-1044016-08 YBL40E16X
388.	153-2640019-04	1H DELAY LINE MS-19P	1	DL802
389.	154-2241201-01	U/V TUNER UVE33-W14	1	
390.	155-0216215-01	PHOTO COUPLER TLP621GB	2	IC702, IC703 OR 155-0216214-01 TLP621GR
391.	156-0110120-02	LINEARITY COIL ELH-5L120	1	L601
392.	156-0220220-07	DEGAUSSING COIL 20"/21" 49723B	1	
393.	156-0310050-13	LINE FILTER LF-50-13	1	L7001 OR 156-0310650-16 SS24H-R06500 OR 156-0310050-17 LF-50-17
394.	156-0649359-07	GROUNDING WIRE 20" #49359	1	
395.	157-0300700-05	IR PREAMPLIFIER HC707	1	OR 157-0300370-05 HC370 157-0300002-03 KEY-C00SV-2
396.	158-0225098-00	CABLE TIE 2.5MM X 98MM	4	
397.	503-5180010-00	PUSH CATCH PR-4PK	1	
398.	601-0050010-00	TOP CABINET	1	
399.	601-5138010-00	FRONT CABINET (METALIC BROWN)	1	
400.	602-0050010-00	BOTTOM CABINET	1	
401.	602-5138010-00	BACK CABINET (BLACK)	1	
402.	603-5138010-00	CHASSIS (BLACK)	1	
403.	604-0050010-00	TOP LENS	1	
404.	604-5138010-06	AV/STAND BY LED LENS W/RED LINE (FOR NEW PAL)	1	
405.	604-5138020-00	SINSOR LENS (TRANSPARENT RED)	1	
406.	605-0050010-00	BATTERY DOOR	1	
407.	606-5138010-00	FRONT DOOR (METALIC BROWN)	1	
408.	608-5138010-00	PANEL METALIN (BROWN)	1	
409.	619-5138710-00	PUSH KNOB (1) (BLACK)	4	
410.	619-5138730-00	POWER KNOB (BLACK)	1	
411.	623-3738010-00	TUNER BRACKET (BLACK)	1	
412.	624-5138010-00	KNOB HOLDER (BLACK)	1	
413.	624-5138020-00	CRT HOLDER (BLACK OR ANY)	4	
414.	624-5138030-00	PCB HOLDER (BLACK)	1	
415.	624-5138040-00	HIGH V CORD HOLDER	1	
416.	632-4717010-00	BOSS (ANY)	4	
417.	669-5138010-00	PVC PLATE	1	FOR IF SHIELD BOX
418.	670-5180000-00	MODEL NO.PLATE	1	
419.	672-5138010-00	BRAND NAME PLATE	1	
420.	673-0050010-02	FUNCTION PLATE (1/2) (26 KEYS) FOR NEW PAL	1	
421.	673-3738030-00	AV PLATE (2) (AUDIO IN VIDEO IN)	1	
422.	673-5138070-01	FUNCTION PLATE (7/1) - FOR NEW PAL	1	
423.	701-2630040-00	MBS 3 X 4	2	FOR HEATR SINK (3)
424.	701-2630060-00	MBS 3 X 6	3	FOR HEAT SINK (1) - 1 PC FOR CHASSIS TO POWER SWITCH - 2 PCS
425.	701-2630100-00	MBS 3 X 10	1	FOR HEAT SINK (2)
426.	701-2630120-00	MBS 3 X 12	1	FOR HEAT SINK (6)
427.	702-2330080-00	TBS 3 X 8 -B1	26	FOR SPEAKER TO FRONT CABINET - 8 PCS FOR MAIN PCB TO CHASSIS - 10 PCS FOR FBT TO CHASSIS - 2 PCS FOR KNOB HOLDER TO FRONT CABINET - 2 PCS FOR AV PCB TO TUNER BRACKET - 4 PCS
428.	702-2340120-00	TBS 4 X 12 -B1	2	FOR BACK CABINET TO TUNER BRACKET

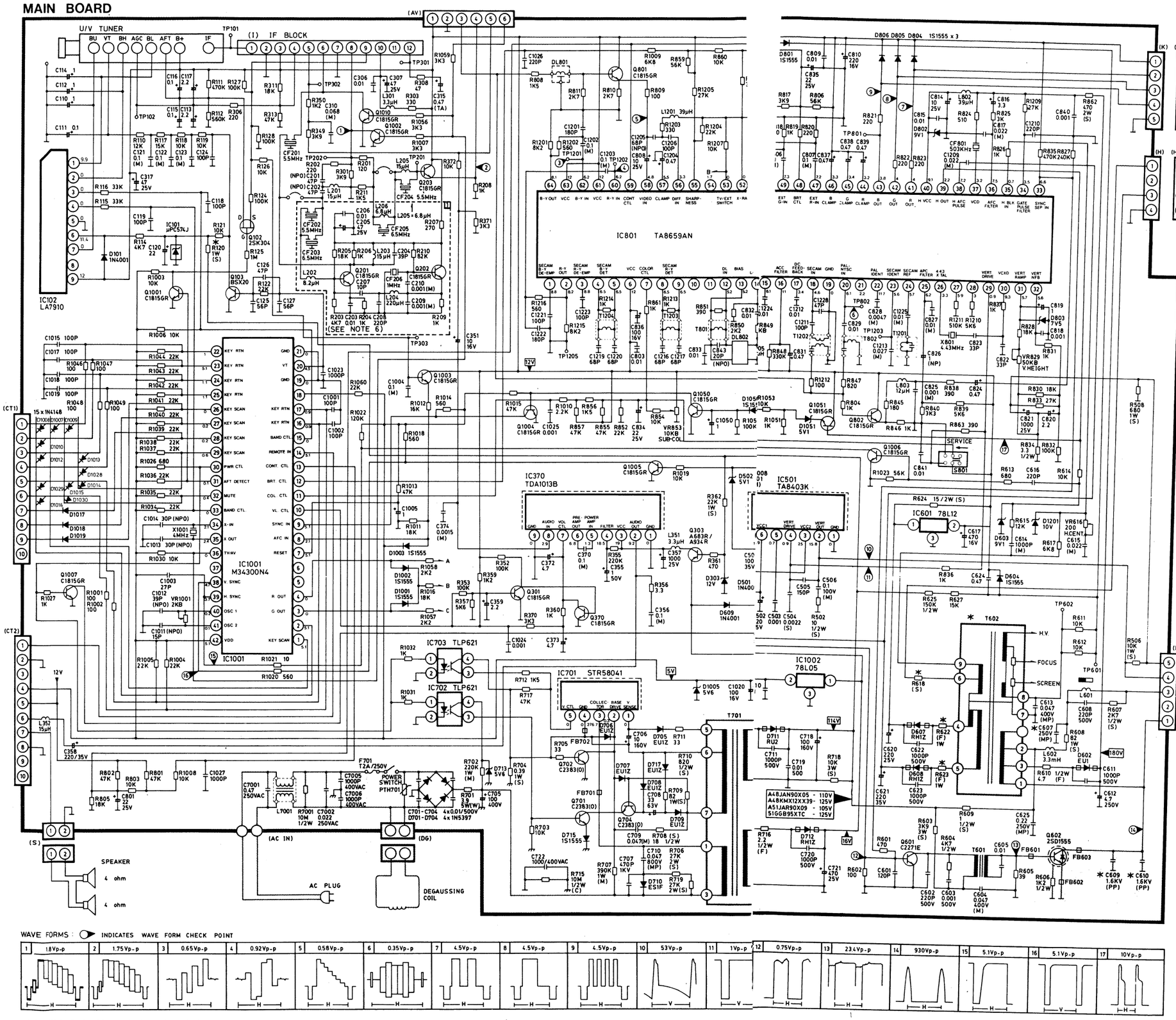
ELECTRICAL AND MECHANICAL PART LIST FOR CTV-570

ITEM	PART NO.	DESCRIPTION	QTY	LOCATION
429.	702-2630120-00	TBS 3 X 12	11	FOR CHANNEL PCB TO FRONT CABINET - 2 PCS FPR FRONT CABINET TO PANEL - 8 PCS FOR PCB HOLDER TO CHASSIS - 1 PC
430.	702-2635120-00	TBS 3.5 X 12	1	FOR FBT BRACKET TO FBT (EXCEPT "BAILI" FBT)
431.	702-2640120-00	TBS 4 X 12	1	FOR FBT BRACKET TO FBT ("BAILI" FBT)
432.	702-2640160-00	TBS 4 X 16	6	FOR BACK CABINET TO FRONT CABINET
433.	702-2660300-00	TBS 6 X 30	4	FOR CRT TO FRONT CABINET
434.	716-2305920-00	SPRING LOCK WASHER DIA. 3 X 5.9 X 0.7	2	FOR HEAT SINK (6) - 1 PC FOR HEAT SINK (2) - 1 PC
435.	718-0130200-00	NUT M3 T=2	2	FOR HEAT SINK (6) - 1 PC FOR HEAT SINK (2) - 1 PC
436.	722-5138010-00	SPEAKER MESH (BLACK)	2	
437.	725-0050410-00	BATTERY CONTACT SPRING (-VE) (Ni PLATED)	1	
438.	725-0050420-00	BATTERY CONTACT SPRING (+VE) (Ni PLATED)	1	
439.	725-1010710-00	BATTERY CONTACT SPRING (S) (STAINLESS STEEL)	1	
440.	728-5138010-00	KNOB SPRING	4	
441.	735-4717010-00	F.B.T.BRACKET	1	
442.	736-4717010-00	HEAT SINK (1)	1	FOR HORIZONTAL POWER AMP. IC
443.	736-4717020-00	HEAT SINK (2) LONG HOLE	1	FOR VERTICAL AMP. IC
444.	736-4717030-00	HEAT SINK (3)	1	FOR AUDIO AMP. IC
445.	736-4717060-00	HEAT SINK(6) THICKNESS 2.5MM (FOR SWITCHING IC)	1	FOR SWITCHING IC
446.	749-5138010-00	IF SHIELD BOX	1	
447.	801-5138010-00	POLYFOAM R-T	1	
448.	801-5138020-00	POLYFOAM L-T	1	
449.	801-5138030-00	POLYFOAM R-B	1	
450.	801-5138040-00	POLYFOAM L-B	1	
451.	802-0050010-00	POLYBAG 8" X 3" (OPEN) X 0.04	1	
452.	802-3738020-00	POLYBAG 100 X 100MM	1	
453.	802-3738030-00	POLYBAG 310 X 310MM	1	
454.	802-4717010-00	POLYBAG 36" X 36"	1	
455.	803-5138000-00	GIFT BOX	1	
456.	804-5138000-00	INSTRUCTION BOOKLET	1	
457.	903-3738010-00	RUBBER WASHER	4	
458.	913-0050010-00	RUBBER CONTACT (26 KEYS)	1	

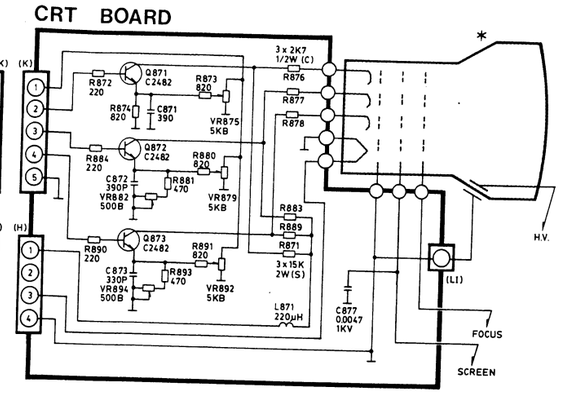
REMARKS : ITEMS MARK WITH " * " MARKS ARE FOR CTV-570(ES) VERSION ONLY.

SCHEMATIC DIAGRAM FOR 5180MB, 5180MK, 5382MB, 5382MK

MAIN BOARD

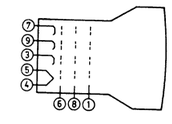


CRT BOARD

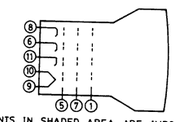


NOTE :-

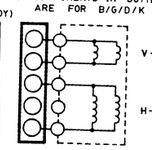
1) ALL CAPACITORS ARE IN μF/50V UNLESSED OTHERWISE NOTED
2) CAPACITORS NOT SPECIFICALLY DESIGNATED ARE CERAMIC CAPACITORS
   (E) ELECTROLYTIC CAP. (NP) NONPOLAR CAP.
   (M) MYLER CAP.
   (TA) TANTALUM CAP.
   (MP) METALIZED POLYESTER CAP.
   (PP) POLYPROPYLENE CAP.
3) ALL RESISTORS ARE CARBON FILM IN OHM 1/4W UNLESSED OTHERWISE NOTED
   (F) FUSING RESISTOR
   (S) METAL OXIDE RESISTOR
   (W) WIRE WOUND RESISTOR
   (C) CARBON COMPOSITION RESISTOR
4) ACCORDING TO THE TYPE OF CRT, THE PIN ASSIGNMENTS ARE AS FOLLOW
   (1) FOR CRT A51JAR90X09 / A48BJAN90X05(VW)



   (2) FOR CRT 51GGB95XTC / A48KMX12XX39



5) COMPONENTS IN SHADED AREA ARE IMPORTANT PARTS ON SAFETY. WHEN REPLACE ANY OF THESE COMPONENTS, USE ONLY MANUFACTURERS SPECIFIED PARTS
6) COMPONENTS IN DOTTED LINE AREA AND L205 = 6.8μH ARE FOR B/G/D/K ONLY.



COMPONENTS MARKED WITH "*" REFER TO THE FOLLOWING TABLE

SUBSTITUTION TABLE :-
APPLICABLE ACCORDING TO TYPE OF CRT

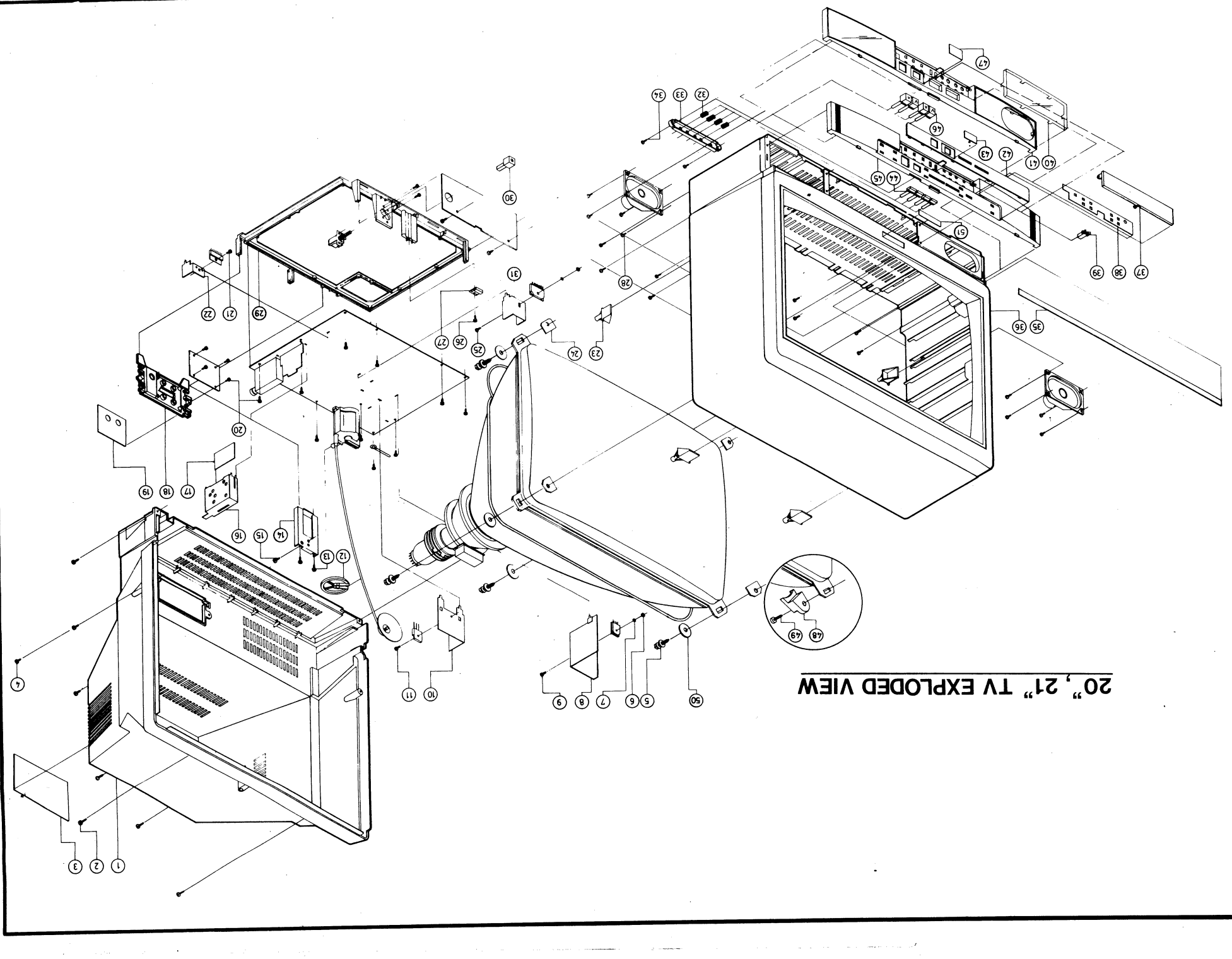
CRT	20"				21"	
	A48JAN90X05(VW)		A48KMX12XX39 51GGB95X-TC		A51JAR90X09	
	KFS-6037IB	BSC-0371B	KFS-6045SC	BSC-0455B	KFS-6058IB	BSC-0581B
C607	0.47	0.47	0.47	0.47	0.39	0.39
C609	3300P	3900P	4700P	4700P	4700P	4700P
C610	4700P	4700P	3900P	3900P	4700P	3300P
R120	8.2	8.2	10	10	8.2	8.2
R625	130K	130K	150K	150K	120K	120K
R618	3.3 1W	2.2 1W	1.5 2W	1.5 2W	4.7 1W	3.3 1W
R622	2.2	1	2.2	1	1	2.2
R623	1	1	3.3	3.3	1	1
R717	47K	47K	100K	100K	27K	27K

WAVE FORMS : ● INDICATES WAVE FORM CHECK POINT

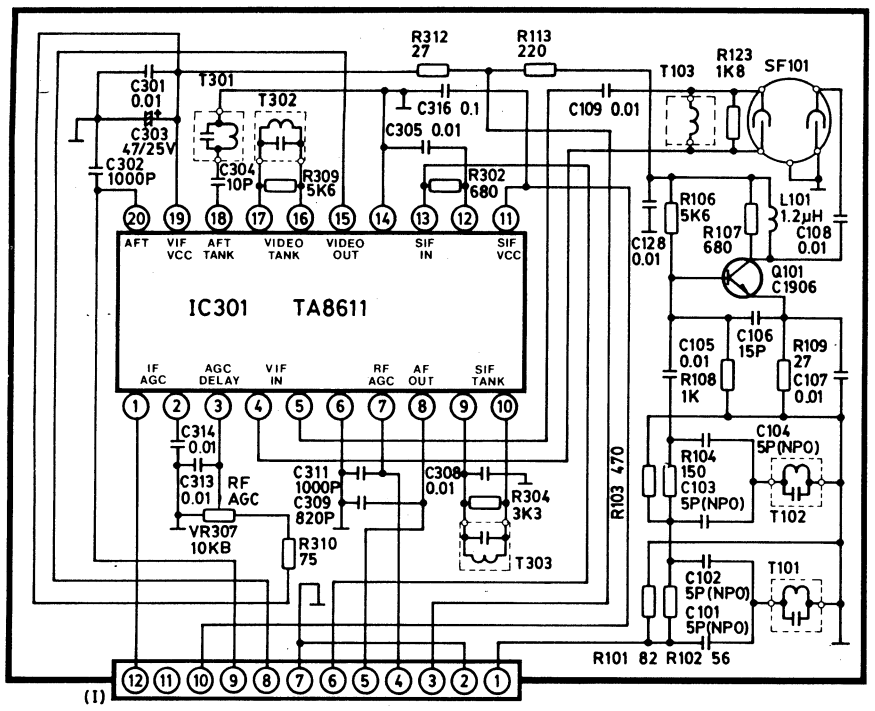
THIS CIRCUIT DIAGRAM IS SUBJECT TO CHANGE WITHOUT NOTICED

DRAWING NO. : MB / MK 2001

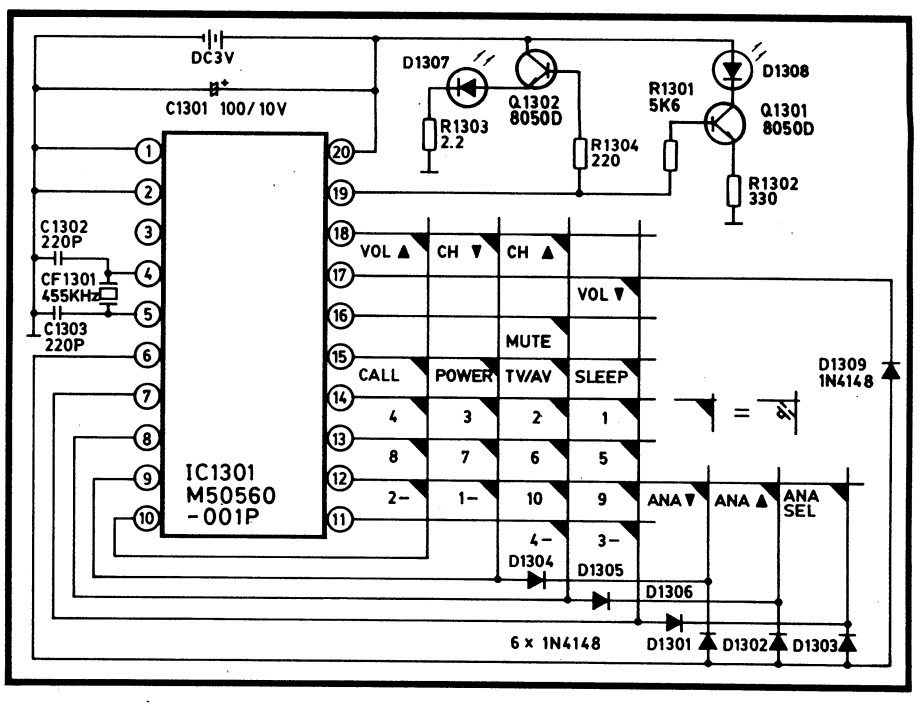
20", 21" TV EXPLODED VIEW



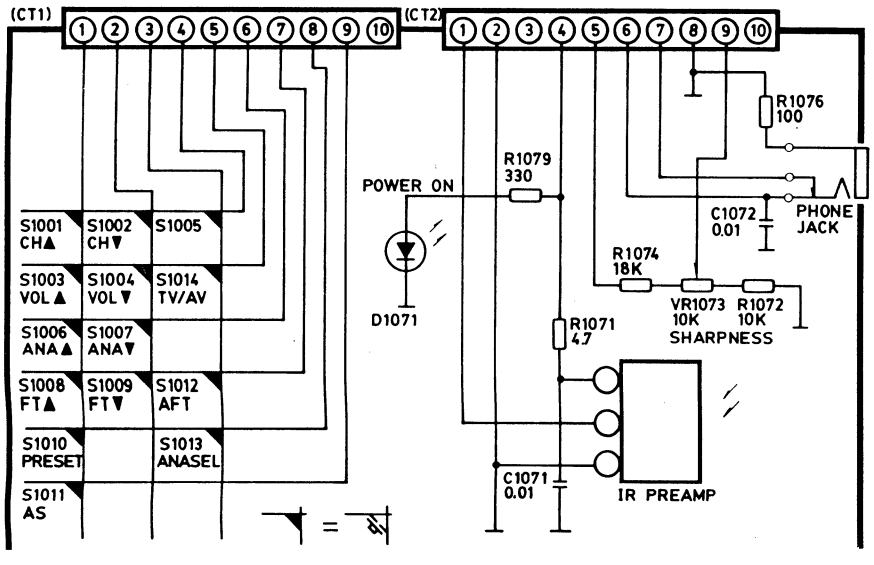
IF BOARD



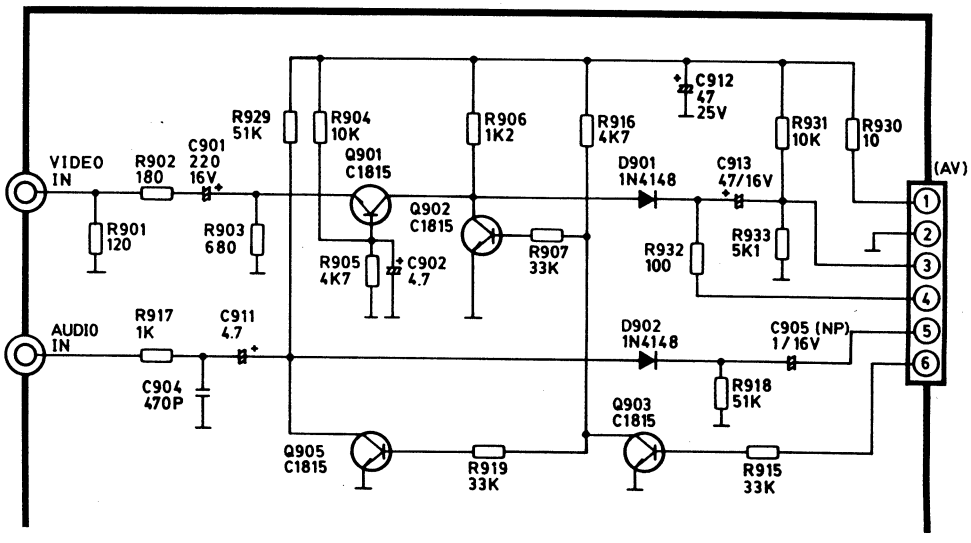
HANDSET BOARD



CONTROL BOARD



AV BOARD



ELECTRICAL PARTS LIST FOR CTV-570 (EK) VERSION ONLY

PART NO.	DESCRIPTION	QTY	LOCATION
103-2181527-02	TRANSISTOR 2SC1815GR	2	Q201, Q202
108-1021270-50	FILM RESISTOR 1/4W +-5% 270OHM	1	R207
108-1022100-50	CARBON FILM RESISTOR 1/4 +-5% 1K OHM	2	R204, R209
108-1022330-50	CARBON FILM RESISTOR 1/4W +-5% 3.3K OHM	1	R206
108-1022470-50	CARBON FILM RESISTOR 1/4W +-5% 4.7K OHM	1	R203
108-1023180-50	CARBON FILM RESISTOR 1/4W +-5% 18K OHM	1	R205
108-1023820-50	CARBON FILM RESISTOR 1/4W +-5% 82K OHM	1	R210
112-1150100-71	CERAMIC CAP. 10PF +-10% 10V (SL)	1	C207
112-1150510-71	CERAMIC CAP. 51PF +-10% 50V (SL)	1	C204
112-1151220-71	CERAMIC CAP 220PF +-10% 50V (SL)	1	C208
112-2173100-01	CERAMIC CAP 0.01UF +80-20% 50V	2	C203, C206
113-1030647-20	ELECT.CAP 47UF/16V +-20%	1	C205
114-2102210-50	MYLAR CAP. 0.001UF +-10% 100V	2	C209, C210
119-1500068-11	FIXED COIL 6.8UH PITCH=7.5MM	2	L205, L206
119-1500082-11	FIXED COIL 8.2UH PITCH 7.5MM	1	L202
119-1500150-11	FIXED COIL 15UH PITCH=7.5MM	2	L203, L207
119-1501220-11	FIXED COIL 220UH PITCH 7.5MM	1	L204
127-3021055-01	CERAMIC FILTER 5.5MHZ SFE-5.5MB	1	CF202
127-3201065-01	CERAMIC FILTER 6.5MHZ SFE-6.5MB	1	CF203
127-4201065-01	CERAMIC TRAP TP5 6.5MB	1	CF205
127-5201010-01	CERAMIC RESONATOR 1MHZ	1	CF206
127-7141036-02	SAN FILTER F1036H	1	SF101
154-2246201-01	U/V TUNER UV30-R01	1	